

Exhibit 41

REDACTED VERSION OF DOCUMENT SOUGHT TO BE FILED UNDER SEAL

GIBSON DUNN

Gibson, Dunn & Crutcher LLP
555 Mission Street
San Francisco, CA 94105-0921
Tel 415.393.8200
www.gibsondunn.com

Rosemarie T. Ring
Direct: +1 415.393.8247
Fax: +1 415.801.7358
RRing@gibsondunn.com

HIGHLY CONFIDENTIAL—ATTORNEYS EYES ONLY

March 7, 2022

VIA JAMS ACCESS

Special Master Daniel B. Garrie
DGarrie@jamsadr.com

Re: *In re Facebook Consumer Privacy User Profile Litigation*, JAMS Ref No.
1200058674

Dear Special Master Garrie,

Pursuant to the Hearing Order Regarding Plaintiffs’ Motion To Compel Production of Plaintiff Data dated February 21, 2022, we submit this response on behalf of Facebook. We also thank the Special Master for granting an extension of our time to respond to allow us to provide responses that we believe would assist the Special Master in expediting resolution of the issue set forth by Judge Corley in her January 12, 2022 order: “[W]hat, if any, data from [systems other than DYI] should be produced consistent with Federal Rule of Civil Procedure 26(b).”

I. USER DATA IN DYI

The Special Master’s first two questions seek information about what user data is included in DYI. We welcome the opportunity to address that issue to correct and clarify statements made throughout these proceedings which seem to have created the impression that the DYI system is limited to the first category of “discoverable user data” identified by Judge Corley in Discovery Order No. 9. As explained below, the DYI system includes *all three categories* of data: (1) data collected from a user’s on-platform activity, (2) data obtained from third parties regarding a user’s off-platform activities, and (3) data inferred from a user’s on or off-platform activity. So the issue is whether Facebook should produce *more data* in categories (1), (2), and (3) from systems other than DYI, which we understand is the focus of the Special Master’s remaining questions.

GIBSON DUNN

Special Master Daniel B. Garrie
March 7, 2022
Page 2

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Question #1. Engineer documentation for the process of generating the DYI file for a Facebook user, including data flow diagrams that explain how the data is retrieved, data schemas, and the individual fields for each data type in the schema.

The following DYI engineer documentation is attached as **Exhibit A**.

- **Your Information Schema (DYI).** This schema describes each of the categories and types of data included in DYI.
- **Eng Guide: Adding to DYI Wiki.** This document provides step-by-step instructions for engineers from product teams to add data to DYI, including instructions regarding where data should live in the DYI taxonomy and DYI schema fields.

Question #2. A statement clarifying whether information available via the DYI tool “includes user data provided by third parties to Facebook, e.g., data relating to users’ off platform activity.”

Yes, DYI includes user data provided by third parties to Facebook, which is the second category of “discoverable user data” identified by Judge Corley in Discovery Order No. 9. Since this data is stored as raw logs of event data in Facebook’s data warehouse, Facebook had to build data pipelines from the data warehouse to production to (a) aggregate and group this event level data on a per user basis sorted in chronological order and (b) transform raw logs of event data in the data warehouse into a human readable information. This effort required complex and time-extensive engineering efforts.

This question from the Special Master highlights a broader factual issue, which we believe should be clarified to assist the Special Master in resolving the issue before him. In Discovery Order No. 9, Judge Corley identified the following categories of “discoverable user data”: (1) data collected from a user’s on-platform activity, (2) data obtained from third parties regarding a user’s off-platform activities, and (3) data inferred from a user’s on or off-platform activity. Plaintiffs repeatedly have asserted that DYI contains *only* data in category (1), citing a statement by Facebook’s counsel during a status conference before Judge Corley.¹ In fact, the full exchange with Judge Corley makes clear that Facebook’s counsel was explaining that the DYI tool does not contain *all* data in categories (1), (2) and (3), which is further demonstrated by the answer to this question confirming that DYI includes

¹ Pls’ Sept. 28, 2020 Mot. Compel at 7, Dkt. 526; Pls’ Oct. 18, 2021 Mot. Compel Production of Named Pls’ Content And Information at 3.

(Cont’d on next page)

GIBSON DUNN

Special Master Daniel B. Garrie
March 7, 2022
Page 3

HIGHLY CONFIDENTIAL—ATTORNEYS EYES ONLY

data in category (2). Plaintiffs also have cited documents produced by Facebook that they claim prove Facebook's production is limited to *only* data in category (1), most notably, a document referring to "Native Data," "Appended Data," and "Behavioral Data."² Again, this is incorrect. **Exhibit B** attaches the primary document Plaintiffs cite for this assertion and a table that describes how the Native, Appended, and Behavioral Data described in that document is either included in DYI or relates to features that were deprecated before this case was filed.

For completeness, we explain below the data in categories (1), (2), and (3) that are included in DYI, and attach as **Exhibit C** summaries of the data that has been produced for each of the named plaintiffs.

Category (1): Data collected from on-platform activity. DYI includes data provided by users and data observed by Facebook on the platform.

User-provided data includes profile data, user-generated content (e.g., posts, videos, photos, comments, stories), message content, friends, location check-ins, linked accounts in the Facebook family of products, and language choices.

Observed data includes clicks, profiles, Pages, Groups, and Events a user has visited, usage data, device data, networks and connections, data about user's activity level, advertisers with which the user has interacted, pages (user pages, pages a user liked or recommended, pages a user follows, pages a user has unfollowed), IP address when sending a message, users that a user has chosen to "see less" or "see first" in News Feed, time spent watching from a page, people whose profile a user has visited, last location, last active time, whether a user viewed someone's birthday story, people a user blocked on Messenger, page notifications, pages a user recommended, time zone, email address verification, Marketplace notifications, and interactions.

Category (2): Data collected from off-platform activity. DYI includes information provided to Facebook by third-party advertisers, app developers, and publishers about user interactions.

User interactions are things like opening a third-party developer app that integrates Facebook business tools, and visiting websites that integrate the Facebook business tools providing information about the user viewing content, searching for items, adding an item to a shopping cart, or making a purchase. Third parties share this off-platform activity with Facebook using "business tools," which are technologies designed to help website owners

² Pls' Sept. 28, 2020 Mot. Compel at 8, Dkt. 526.

GIBSON DUNN

Special Master Daniel B. Garrie

March 7, 2022

Page 4

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and publishers, app developers, advertisers, and others, integrate with Facebook, understand and measure their products and services, and better reach and serve people who use or might be interested in their products and services. Business tools include Facebook Pixel, Facebook SDK, Conversions API, Offline Conversions, and the App Events API. Facebook also receives impression data through Facebook Social Plugins (e.g., Like and Share buttons) and Facebook Login.

Facebook also receives contact lists with user information uploaded by advertisers for the purpose of serving ads to those users through what are referred to as custom audiences. These lists include hashed information about users (e.g., email addresses, phone numbers) that is used to try to match people on the list with Facebook user accounts; matched users are placed in the custom audience. This hashed information is discarded after the matching process.

Category (3): Data inferred from a user's on or off-platform activity. DYI includes data that is derived from a user's on or off-platform activity.

DYI includes information regarding ads interests; music recommendations based on genres of music a user has interacted with on Facebook; "your topics," which is a collection of topics determined by a user's activity on Facebook that is used to create recommendations for users in different areas of Facebook such as News Feed, News, and Watch; primary location; primary public location; friend peer group; creator badges (including labels like "visual storyteller" or "conversation starter" based on activity in Groups); time zone; language preferences (including preferred language for videos, languages you may know, preferred language); and mobile service provider and country code.

Plaintiffs' DYI Data. Summaries of the DYI files for each named plaintiff showing that they include all three categories of "discoverable user data" identified in Discovery Order No. 9 are attached as **Exhibit C**.

II. OTHER USER DATA AND SYSTEMS

The Special Master's remaining questions focus on understanding what other systems contain user data and, as Judge Corley stated the issue, "what, if any, additional data should be produced consistent with Federal Rule of Civil Procedure 26(b)." To be sure, the DYI file does not include all data related to users, but that does not mean that production of that data is consistent with Rule 26. For example, as explained above, DYI includes data received from third parties regarding a user's off-platform activity on apps and websites, such as viewing content and adding an item to a shopping cart, but does not include data identifying

GIBSON DUNN

Special Master Daniel B. Garrie

March 7, 2022

Page 5

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the specific content that was viewed or the item that was added to a cart for reasons that engineers will be prepared to explain at the hearing.

Question #3: A statement identifying systems that coordinate and schedule jobs that run against the Hive (a process that accesses table data in the Hive and aggregates user data to produce a meaningful data set). For each job that may involve user data, Facebook is to describe the data extracted in the job and where the job saves the data.

The majority of batch data processing of Hive data at Meta is handled by a system called Dataswarm, which is described below. The remaining minority of batch data processing is coordinated by FBLearder, which is a similar system derived from Dataswarm.

Dataswarm works by having employees (1) define atoms of computation called tasks and then having employees (2) explicitly state the dependency relationships between these tasks so that the system can initiate a task's computations after the preceding tasks have completed their execution. These tasks are treated as black boxes: the system knows nothing about what the task does beyond the rough type of computation performed. For any given task, Dataswarm does not know what data is used as inputs to the computations it orchestrates or what data is produced as outputs by these computations.

Facebook's current approach for identifying what data is consumed as inputs by a job and is generated as outputs by that job is a time-consuming manual process. Because Dataswarm performs millions of tasks each day, it is not possible to complete this manual process for all Dataswarm tasks. To respond to the Special Master's request, Facebook completed this manual process for a sample of 10 tasks run in Dataswarm on February 15, 2022. This sample is attached **Exhibit D**. Approximately five million Dataswarm tasks were run on February 15.

Question #4: A statement identifying the internal identifiers Facebook uses to track users across the Facebook platform, including a description of which Facebook systems use each identifier, how each system uses each identifier, and how Facebook maps identifiers to users.

Facebook primarily uses four types of internal identifiers for user data: (1) a user identifier (UserID), (2) Replacement ID, (3) Separable ID, and (4) App Scoped Identifiers. Each is described in more detail below.

UserID. Facebook uses an industry-wide technique called pseudonymization to represent users on the Facebook platform. In essence Facebook creates a canonical unique

GIBSON DUNN

Special Master Daniel B. Garrie
 March 7, 2022
 Page 6

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identifier that encapsulates information about the user (such as First Name, Last Name, email, phone numbers, etc). The encapsulation can be accessed by an identifier called a user identifier (or UserID); this is similar to a row being stored in a database table with the primary key being the userid and information of the user being values in the other columns. UserIDs are unique in Facebook's systems, such that two users cannot have the same UserID, and they are not recycled, meaning even after a user deletes their account, no other user can have the same UserID. The User ID is the canonical identifier to represent a Facebook user and is used in nearly all Facebook systems.

Replacement ID (RID). The RID is an identifier that supports Facebook's deletion practices by irreversibly disassociating data from a user. Every user is assigned an RID for the lifetime of their account. In data systems that do not support deletion (e.g. Hive), any user data retained for more than 90 days can only be retained with an RID. When a user deletes her account, Facebook deletes the record connecting the UserID to the RID so that data stored with that RID can no longer be connected to that user. Like the UserID, the RID represents a single user. Two users cannot have the same RID, and RIDs are not recycled.

Separable ID (SID). The SID is similar to the RID, but allows Facebook to permanently disassociate Off Facebook Activity data from a user. Data Facebook receives from third parties about a user is associated with an SID (rather than UserID), and Facebook maintains a separate mapping between SIDs and UserIDs that can be accessed when data is processed. Through Facebook's Off Facebook Activity tool, users are able to clear their Off Facebook Activity. When a user does this, Facebook removes the mapping between the users' SID and UserID, which irreversibly dissociates the data stored with an SID from the user. Facebook then generates a new SID to be associated with the user's account moving forward. More information about SID's is available at this link: <https://engineering.fb.com/2019/08/20/data-infrastructure/off-facebook-activity/>

App-Scoped ID (ASID). The ASID is an identifier that is sent to the third-party developer when a Facebook user has chosen to use the Facebook Login product to login to the services of the third-party developer. The App-Scoped ID also serves as a privacy protective identifier that Facebook created with the purpose of preventing different third-party apps from sharing data or amassing profiles of users across apps. This is why the App Scoped ID is created on a per-user per-app basis, such that different third-party developers do not receive the same identifier for the same Facebook user.

GIBSON DUNN

Special Master Daniel B. Garrie
 March 7, 2022
 Page 7

HIGHLY CONFIDENTIAL—ATTORNEYS EYES ONLY

Question #5: A statement identifying the sources from which Graph API pulls user data, including a high-level description of each source and the engineers that own each source.

TAO. The Facebook production infrastructure is centralized around a distributed data store for the social graph, called TAO (The Associations and Objects), which is the primary source from which Graph API pulls data (including user data). TAO is a high-performance service for storing, caching, and querying the graph for nodes and associations, by providing a clean interface for internal and external developers to integrate into the social graph, abstracting away many of the complexities of developing and maintaining a data storage at scale.

- **For more information about TAO:** <https://engineering.fb.com/2013/06/25/core-data/tao-the-power-of-the-graph/>
- **Technical Point of Contact:** [REDACTED]

TAO provides a layer of abstraction to describe objects and relations through EntSchema and Node. The underlying technology that is used to store these data models is a collection of technologies such as MySQL, Manifold, ZippyDB/Akkio, Memcache, and Laser. In limited cases, and for specific purposes, other systems may access these systems directly.

MySQL: MySQL is TAO's backbone. It provides transactional and availability properties to columnar data. For example, a user's comment can be stored in a MySQL database as a row in a table, where the comment id is the primary key and the comment is a text field. As another example, the fact that someone liked a comment can be represented by an association with the type like from the comment id and the user id, this could be represented as 3 columns in the table, with comment id, user id, and type of reaction.

- **Technical Point of Contact:** [REDACTED]

[REDACTED]

- **Technical Points of Contact:** [REDACTED]

GIBSON DUNN

Special Master Daniel B. Garrie
 March 7, 2022
 Page 8

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ZippyDB/Akkio: ZippyDB is a persistent key-value storage service that provides reliable, scalable, geo-replicated storage for high throughput applications. ZippyDB provides very efficient key value lookups, faster than MySQL but are not transactional in nature. Akkio operates on top of storage services like Zippy. Akkio splits the data sets into units with strong locality, which can then be geographically placed close to where they are most likely to be accessed.

- **For more information about ZippyDB/Akkio:**
<https://engineering.fb.com/2021/08/06/core-data/zippydb/> (ZippyDB);
<https://engineering.fb.com/2018/10/08/core-data/akkio/> (Akkio).
- **Technical Points of Contact:** [REDACTED] (ZippyDB), [REDACTED]
 [REDACTED] (Akkio)

Memcache: Memcache provides a cache to the TAO service, the cache ensures that queries that have recently run are available quickly through the cache, as the response time of a cache are orders of magnitude quicker than a lookup in a MySQL database.

- **Technical Point of Contact:** [REDACTED]

Laser: Laser is an indexing service that provides low-latency (typically a few milliseconds) read access to specific sets of Data Warehouse data. Data in the Data Warehouse is not indexed on a per user basis, but some Facebook products need to surface the calculations that the product performs to the production systems so a GraphAPI can request the data. Laser is only used to support first-party (i.e. Meta) products.

- **Technical Point of Contact:** [REDACTED]

There are other technologies that keep TAO operational that ensure the service is performing at a high-performance.

Question #6: Any agreements relating to user data that Facebook has with each of the following entities: [REDACTED] Microsoft, and [REDACTED]

Facebook will submit via email to the Special Master and Plaintiffs contracts relating to user data with [REDACTED] Microsoft, and [REDACTED] that have been produced in this case. Facebook will separately submit to the Special Master contracts with these entities that have not been produced to date in camera, to provide Facebook an opportunity to fully analyze

GIBSON DUNN

Special Master Daniel B. Garrie
March 7, 2022
Page 9

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and comply with any notice provisions in these agreements. Once Facebook has completed this analysis and complied with any notice provisions, Facebook will produce the contracts to Plaintiffs, consistent with Facebook's agreement to search for additional contracts Plaintiffs recently requested.

Facebook notes that Meta Platforms, Inc., [REDACTED] Microsoft, and [REDACTED] are some of the largest technology companies in the world. These entities are parties to a very large number of agreements, the vast majority of which are confidential business agreements and outside the scope of this litigation. Should Facebook identify additional agreements with these entities that are responsive to the Special Master's request, Facebook will provide them.

Question #7: Update list of 149 systems identified in the Declaration of David Pope.

In discussing the topics and questions to be addressed during the hearing on Wednesday, March 9, 2002, the engineers who will be attending the hearing have explained to counsel that the list of 149 systems and categorization discussed during the hearing with David Pope on January 14, 2002, are not an effective way of assisting the Special Master in understanding the user data that exists in Facebook systems. Instead, they approach this question from the perspective of a Facebook engineer building product experiences or conducting data analysis who think of user data in terms of production systems and the data warehouse. As these engineers will explain at the hearing, [REDACTED]

Sincerely,



Rosemarie T. Ring

EXHIBIT A

2

1

DYI

Status

Generate

Schema

Stuck Jobs

Switchboard

Ownership

https://www.internalfb.com/support/dyi/schema/

Your Facebook Information (YFI) Schema

Normal Mode

Developer Mode

Filter

Platform

☒ Facebook

☐ Instagram

☐ Whatsapp

Product Type

☐ ALL

☐ AYI

☒ DYI

☐ In both AYI and DYI

☐ In AYI Only

☐ In DYI Only

Submit

Summary

Total Sections

68

Total Fields

296

Download

Section Data Categories

Deselect All

☐ Your activity across Facebook

☐ Personal information

☐ Friends and followers

☐ Logged information

☐ Security and login information

☐ Apps and websites off of Facebook

☐ Preferences

☐ Ads information

Section Schemas

Collapse All

Your activity across Facebook

37

Menu

Menu

Content previews

(Oncall: [pacman](#))

Content previews you have provided feedback on

Bulletin

Information about your Bulletin account

Your account creation date

(Oncall: [voices](#))

The date you created your Bulletin account

DYI Only

Subscriptions

(Oncall: [bulletin_monetization](#))

Publications you've subscribed to or have shown intent in subscribing to on Bulletin.

Subscriptions and subscription intents

(Oncall: [bulletin_monetization](#))

Publications you've subscribed to or have shown intent in subscribing to on Bulletin.

DYI Only

Publication settings

(Oncall: [voices](#))

Settings associated with your publication

Articles

(Oncall: [voices](#))

Articles you've published on Bulletin

Pre-published articles

(Oncall: [voices](#))

Pre-published articles you've drafted on Bulletin

Podcast settings

(Oncall: [voices](#))

Settings associated with your podcast

Podcasts

(Oncall: [voices](#))

Podcasts you've set up on Bulletin

Pre-published podcasts

(Oncall: [voices](#))

Pre-published podcasts you've set up on Bulletin

Campus

Your campus activity and data.

Campus Profile Information

(Oncall: [colleges](#))

Information you've added to your Campus profile

Campus Email Info

(Oncall: [colleges](#))

Your college email information provided for Campus verification

DYI Only

Campus Class Ratings

(Oncall: [colleges](#))

Class Ratings you have created

Voting location and reminders

1/18

2

1



DYI

Status

Generate

Schema

Stuck Jobs

Switchboard

Ownership

https://www.internalfb.com/support/dyi/schema/

Location and preferences in Town Hall and the Voting Information Center

Location (Oncall: [civic_action](#))
The location used to provide you with local election and government information. This may be your primary location

Voting reminders (Oncall: [civic_action](#))
Your preferences for notifications from Facebook about voting and elections

Communities
Communities you manage, Communities you belong to and your posts and comments within them

Your Communities (Oncall: [community_presence](#))
Communities you belong to

Your Pending Posts in Communities (Oncall: [community_presence](#)) DYI Only

Your Posts in Communities (Oncall: [community_presence](#))
Posts you make in the communities you belong to

Your Comments in Communities (Oncall: [community_presence](#))
Comments you make in the communities you belong to

Your Community Connection Activity (Oncall: [community_presence](#))
Dates you became a part of the Communities you belong to

Your Answers to Participation Questions (Oncall: [community_presence](#)) DYI Only
Information you've shared with community administrators

Events
Your responses to events and a list of the events you've created

Your Events (Oncall: [events](#))
Events you've created

Your event responses (Oncall: [events](#))
Your responses to Events you've been invited to

Event invitations (Oncall: [events](#))
Events you've been invited to

Event Contact You've Blocked (Oncall: [events](#)) DYI Only
People you've blocked from inviting you to events

Events (Oncall: [events](#)) DYI Only
Events you've created for your Page

Events ratings you've submitted (Oncall: [rpp_event_reviews](#))
Ratings you've submitted about events and classes

Dating
Your separate Dating profile, preferences and messages for Dating

Your Dating profile (Oncall: [profile_dating_backend](#))
Information and photos you've added to your Dating profile

Your Dating preferences (Oncall: [profile_dating_backend](#))
Preferences you've expressed relating to age, gender and distance of potential matches

Messages (Oncall: [profile_dating_backend](#))
Messages you've exchanged with other people in Dating

Communities (Oncall: [profile_dating_backend](#))

2

1



DYI

Status

Generate

Schema

Stuck Jobs

Switchboard

Ownership

<https://www.internalfb.com/support/dyi/schema/>

Groups and events where you requested to see suggested matches in Dating

Shared interests

(Oncall: [profile_dating_backend](#))

Mutual interests used to suggest new matches in Dating

Secret Crush

(Oncall: [profile_dating_backend](#))

Facebook friends who you've liked in Dating

Your Dating activity

(Oncall: [profile_dating_backend](#))

Activity associated with your Dating profile, such as number of people you've liked

Facebook Gaming

Your Facebook Gaming profile and games you've played

Gaming Profile

(Oncall: [gaming_services](#))

Your Facebook Gaming profile information

Instant Games

(Oncall: [gaming_play_platform](#))

Games you've played

DYI Only

Chat Rules

(Oncall: [gaming_video](#))

Chat Rules you've accepted

DYI Only

Games

(Oncall: [gaming_services](#))

Games you've used Facebook Gaming to log into

Facebook Marketplace

Items you've sold, your commerce profile and seller information

Commerce leads

(Oncall: [marketplace_seller_success](#))

DYI Only

Items sold

(Oncall: [commerce_prod_infra](#))

Items you've sold on Marketplace

Listings

(Oncall: [marketplace_seller_success](#))

DYI Only

Seller response

(Oncall: [commerce_ratings_and_reviews](#))

Response you have given to a seller review

Buyer and seller ratings

(Oncall: [commerce_ratings_and_reviews](#))

Buyers and sellers you've rated on Marketplace

DYI Only

Your dealership business information

(Oncall: [marketplace_seller_success](#))

Business information you provided on Marketplace to be associated with vehicle listings

Marketplace Notifications

(Oncall: [commerce_growth_intelligence](#))

Information about notifications you've received from Marketplace

DYI Only

Discussions

(Oncall: [commerce_engagement](#))

Posts you've made on Marketplace discussions.

Seller information

(Oncall: [marketplace_seller_activation](#))

You provided the following information in order to sell on Marketplace.

Fantasy Games

Picks you've made in public Facebook Fantasy Games or private Facebook Fantasy Leagues

Picks

(Oncall: [fantasy_games](#))

Picks you've made in public Facebook Fantasy Games or private Facebook Fantasy Leagues

2

1



DYI

Status

Generate

Schema

Stuck Jobs

Switchboard

Ownership

https://www.internalfb.com/support/dyi/schema/

Fundraisers

Fundraisers you've created, joined or donated to

Fundraisers created	(Oncall: social_good_charitable_giving)	DYI Only
Fundraisers donated to	(Oncall: social_good_charitable_giving)	DYI Only
Fundraisers joined	(Oncall: social_good_charitable_giving)	DYI Only

Groups

Groups you belong to, groups you manage and your posts and comments within the groups you belong to

Your Groups

(Oncall: [groups_admins](#))

Groups you belong to

Your Group membership activity

(Oncall: [groups_platform](#))

Dates you joined the groups you belong to

Creator Badges

(Oncall: [user_signals_engineering](#))

Badges you've earned

DYI Only

Prayer

(Oncall: [group_faith](#))

DYI Only

Your posts in Groups

(Oncall: [group_posts](#))

Posts you make in the groups you belong to

Your group member profiles

(Oncall: [contextual_profile_web](#))

Information about customized profiles in Groups

Your Services

(Oncall: [independent_work](#))

Services you can offer people in groups

Your group messages

(Oncall: [chats_in_groups_fb](#))

DYI Only

Your group membership activity

(Oncall: [groups_experts_www](#))

DYI Only

Your pending posts in groups

(Oncall: [group_posts](#))

DYI Only

Groups by this Page

(Oncall: [groups_experts_www](#))

DYI Only

Group Expert Application

(Oncall: [groups_experts_discovery_www](#))

Information about your expertise that group admins can see

DYI Only

Your answers to membership questions

(Oncall: [groups_admins](#))

Information you've shared with private group administrators

DYI Only

Your answers to participation questions

(Oncall: [groups_admins](#))

Information you've shared with public group administrators

DYI Only

Your group admin actions

(Oncall: [groups_admins](#))

Group admin actions that you've taken

DYI Only

Your group interests

(Oncall: [ceg_product](#))

Group topics you said you're interested in

DYI Only

Awards you've given

(Oncall: [community_reputation](#))

Awards you've given to comments from other members in groups you belong to

Ownership

The people your child's connected to on Messenger Kids

2

1



DYI

Status

Generate

Schema

Stuck Jobs

Switchboard

Ownership

https://www.internalfb.com/support/dyi/schema/

Contacts

(Oncall: [messenger_kids_www_rn](#))

People your child is currently connected with on Messenger Kids

DYI Only

Sent Contact Requests

(Oncall: [messenger_kids_www_rn](#))

Requests you've sent to ask people to connect with your child on Messenger Kids

DYI Only

Received Contact Requests

(Oncall: [messenger_kids_www_rn](#))

Requests from others asking to be your child's contact on Messenger Kids

DYI Only

Declined Contact Requests

(Oncall: [messenger_kids_www_rn](#))

Contact requests for your child that you've declined

DYI Only

Profile Information

Your child's name, photo and other information you've added to the Your Info section of your child's app

Your Child's Profile

(Oncall: [messenger_kids_www_rn](#))

Your child's name, photo and other information you've added to the Your Info section of your child's app

DYI Only

Messages

Messages you've exchanged with other people on Messenger

Messenger Stories

(Oncall: [stories_backend](#))

DYI Only

Ratings

(Oncall: [rp_msngr_php_incall](#))

A list of the quality ratings you've applied to Messenger calls

DYI Only

Your messages

(Oncall: [messaging_product_infra](#))

Messages you've exchanged

Previously Removed Contacts

(Oncall: [messenger_graph](#))

DYI Only

Messenger Contacts You've Blocked

(Oncall: [mwb_self_remediation](#))

DYI Only

Secret conversations

(Oncall: [armadillo_act](#))

DYI Only

Secret conversations you've reported

(Oncall: [mwb_reporting_enforcement_support](#))

DYI Only

Autofill information

(Oncall: [messenger_lead_gen](#))

DYI Only

Support Messages

(Oncall: [customer_support_async](#))

Interactions you've had with Facebook support

DYI Only

Secret groups

(Oncall: [whatsapp_user_infra](#))

Secret conversation groups you're a member of

DYI Only

Pages

Your Pages, Pages you've liked or recommended, Pages you follow and Pages you've unfollowed

Your Pages

(Oncall: [profile_plus](#))

Pages you are the admin of

Pages you've liked

(Oncall: [pages_core_infra](#))

Pages you've liked

Pages you've recommended

(Oncall: [ratings_and_reviews](#))

DYI Only

6/18

2

1



DYI

Status

Generate

Schema

Stuck Jobs

Switchboard

Ownership

<https://www.internalfb.com/support/dyi/schema/>

Pages you've recommended to others

Pages you follow

(Oncall: [pages_core_infra](#))

DYI Only

Pages you've unfollowed

(Oncall: [profile_following](#))

DYI Only

Facebook payments

A history of payments you've made through Facebook

Payment history

(Oncall: [facebook_pay_hub](#))

A history of payments you've made through Facebook

Payment accounts

(Oncall: [billing_interfaces](#))

Payment accounts that you control

DYI Only

Your Places

A list of places you've created

Places you've created

(Oncall: [pages_admin_editing](#))

Names of the places you've created, their locations, and the time and date you created them

Podcasts

Podcasts you've subscribed to

Podcast subscriptions

(Oncall: [podcast_oncall](#))

Podcasts you've subscribed to

Polls

Polls you've created and participated in

Polls you voted on

(Oncall: [group_polls](#))

Polls you've participated in

Posts

Posts you've shared on Facebook, posts that are hidden from your timeline and polls you have created

Your posts

(Oncall: [posts_infra](#))

Photos, videos, text and status updates you've shared on Facebook

Other people's posts to your timeline

(Oncall: [posts_infra](#))

Posts other people have shared on your timeline

Your photos

(Oncall: [photos](#))

Photos you've uploaded and shared

Photos and videos you're tagged in

(Oncall: [posts_infra](#))

Photos and videos you've been tagged in

Photo effects

(Oncall: [media_effects_platform](#))

A list of the photo effects you've used

DYI Only

Photos posted to other walls

(Oncall: [photos](#))

DYI Only

Your videos

(Oncall: [videos_pubx](#))

Videos you've uploaded and shared

Videos sent to you

(Oncall: [videos_pubx](#))

DYI Only

Videos you're tagged in

(Oncall: [posts_infra](#))

DYI Only

Offers

(Oncall: [apac_nbu_growth](#))

DYI Only

News articles you've opened

(Oncall: [feed_quality](#))

News articles you've opened on Facebook in the last 30 days

Items sold

(Oncall: [marketplace_seller_success](#))

DYI Only

7/18

2

1



DYI

Status

Generate

Schema

Stuck Jobs

Switchboard

Ownership

https://www.internalfb.com/support/dyi/schema/

Archive (Oncall: [content_control](#))

Items in your archive

Trash (Oncall: [content_control](#))

Items currently in trash

Posts Tagged by Others. (Oncall: [content_control](#))

DYI Only

Photos Tagged by Others. (Oncall: [content_control](#))

DYI Only

Your uncategorized photos (Oncall: [photos](#))

Other photos you may have uploaded or shared

DYI Only

Reviews

Reviews you added about businesses and items

Reviews (Oncall: [commerce_trust_and_signals](#))

Reviews you added about businesses and items

Your problem reports

Information you've provided to report a problem.

Your problem reports (Oncall: [cf_insights](#))

Information you've provided to report a problem.

DYI Only

Saved items and collections

A list of the posts you've saved, and your activity within collections

Your saved items (Oncall: [save_oncall](#))

Posts, photos and videos you have saved

DYI Only

Collections (Oncall: [save_oncall](#))

Collections you've created of posts, photos and videos you've saved, and collections you're a part of

DYI Only

Your local lists (Oncall: [socal_www](#))

Places and events you added to lists

DYI Only

Your Playlists (Oncall: [pmv](#))

Playlists you've created and the playable media you've added to them.

Shops questions & answers

Questions you asked about products being sold in Shops and your answers to questions asked about products being sold in Shops

Questions & Answers (Oncall: [shops_qa](#))

Questions you asked about products being sold in Shops and your answers to questions asked about products being sold in Shops

Shops

Information about products in your page's shop

Products (Oncall: [connected_commerce_fb_shops_seller_successes](#))

List of products added to your page's shop

DYI Only

Soundbites

Soundbites you've created and shared

Your soundbites (Oncall: [soundbites](#))

Soundbites you've created and shared

Spark AR

Spark AR related info such as effects you manage and effects you liked.

Effects you've liked (Oncall: [creator_success_www](#))

A list of effects you've liked on Spark AR Hub

DYI Only

2

1



DYI

Status

Generate

Schema

Stuck Jobs

Switchboard

Ownership

https://www.internalfb.com/support/dyi/schema/

AR Effects (Oncall: ar_publishing) AR Effects you manage	
Spark AR checklist (Oncall: ar_hub_activation_insights) Your complete and incomplete checklist steps	
Stories Photos and videos you've shared to your story	
Archived stories (Oncall: stories_backend)	
Story reactions (Oncall: stories_backend) Reactions you shared on your friends' stories or highlights	DYI Only
Highlights cover photos (Oncall: featured_highlight) Custom cover photos that you've uploaded to your story highlights.	DYI Only
Archived stories (Oncall: stories_backend)	DYI Only
Volunteering Your volunteering preferences and activity	
Volunteering (Oncall: volunteering) Your volunteering preferences and activity	
Drives (Oncall: community_help) Your activity across Facebook	
Bug Bounty Your researcher data from the Bug Bounty program	
Bug Bounty (Oncall: whitehat_eng) Your researcher data from the Bug Bounty program	
Workplace Description for Workplace	
Reported Content (Oncall: work_integrity) An archive of content that has been reported on Workplace	DYI Only
Other activity Other information and activity from different areas of Facebook	
Notes (Oncall: knowledge_hub) Notes you've created or have been tagged in	
Pokes (Oncall: poke) Pokes you've given and received	
Challenges (Oncall: fb_creators_expressions_experiences_www) Challenges you've participated in	
Interactive videos (Oncall: gameshows) Polls and game shows you've participated in and questions you've answered	
Featured likes (Oncall: pages_consumer_experience_www) A list of likes highlighted on your Page	DYI Only
Rooms joined (Oncall: rp_msng_r_php_incall)	DYI Only
Badge settings (Oncall: apac_nbu_growth) Current badge settings for your Page	DYI Only
Your Facebook Editor responses (Oncall: crowdsourcing_agreement) Questions you answered within Facebook Editor products	

2

1



DYI

Status

Generate

Schema

Stuck Jobs

Switchboard

Ownership

<https://www.internalfb.com/support/dyi/schema/>

Translations (Oncall: [i18n_core_data](#))

Contributions to community translations

Translation achievements (Oncall: [i18n_core_data](#))

Achievements in community translations

Your Audio Assets (Oncall: [rights_manager](#))

Audio you've uploaded

DYI Only

Personal information

10

Facebook Accounts Center

Control settings for connected experiences such as logging in and sharing stories and posts across Messenger, the Facebook app and Instagram.

Accounts Center (Oncall: [fx_core_infra](#))

Control settings for connected experiences such as logging in and sharing stories and posts across Messenger, the Facebook app and Instagram.

Facebook Assistant

Info associated with your Facebook Assistant, such as contact pronunciations and relationships

Your relationships (Oncall: [assistant_privacy_integrity](#))

View and delete relationships you've set on Portal

Your Pronunciations (Oncall: [assistant_privacy_integrity](#))

View and delete pronunciations of names

Reminders (Oncall: [assistant_privacy_integrity](#))

View and delete reminders you've set

Facebook View

Information about your devices and preferences on Facebook View

Devices (Oncall: [stella_app](#))

The serial number for each pair of glasses and associated preferences.

DYI Only

Your voice interactions with Ray-Ban Stories (Oncall: [assistant_privacy_integrity](#))

Voice interactions on Assistant.

DYI Only

Health professional

The information you provided to verify your status as a health professional

Your country (Oncall: [preventive_health](#))

Your selected country of residence and practice

Your profession type (Oncall: [preventive_health](#))

The profession you selected

Your email address (Oncall: [preventive_health](#))

Your professional email, or email associated with your institution

Your legal name (Oncall: [preventive_health](#))

Your legal name shown on official documentation

Your medical license number (Oncall: [preventive_health](#))

The medical license number you provided

Your state of licensure (Oncall: [preventive_health](#))

The state that issued your license

Your GMC number (Oncall: [preventive_health](#))

2

1



DYI

Status

Generate

Schema

Stuck Jobs

Switchboard

Ownership

<https://www.internalfb.com/support/dyi/schema/>

Your unique seven-digit number as assigned by the GMC

Your website or CV (Oncall: [preventive_health](#))
The credentials you provided during the enrollment process

Your medical specialty (Oncall: [preventive_health](#))
The field of expertise you selected

Your research domain (Oncall: [preventive_health](#))
The field of expertise you selected

Horizon Worlds
Info associated with Horizon Worlds, such as your avatar, and worlds you visited, liked, created and collaborated on.

Your Horizon Worlds Avatar (Oncall: [horizon_avatars](#))
Photos of your Horizon Worlds Avatar

Worlds visited (Oncall: [horizon_community](#))
Worlds you visited in Horizon Worlds

World hops Played (Oncall: [horizon_progression](#))
World Hops you played in Horizon Worlds

Liked worlds (Oncall: [horizon_community](#))
Worlds you liked in Horizon Worlds

Recently nearby people (Oncall: [se_people_connections](#))
Suggestions based on your activities with others in Horizon Worlds

Worlds created (Oncall: [horizon_community](#))
List of worlds you created in Horizon Worlds

Worlds Collaborated On (Oncall: [horizon_community](#))
List of worlds you collaborated on in Horizon

World Progress (Oncall: [horizon_progression](#))
List of saved progress from worlds you've visited, including high scores, levels and more.

World Leaderboards (Oncall: [horizon_progression](#))
List of leaderboards from worlds you've visited and have an entry in.

Your Photos From Horizon Worlds (Oncall: [horizon_community](#))
Photos you have taken in Horizon Worlds

Your Posts From Horizon Worlds (Oncall: [horizon_community](#))
Posts you have created in Horizon Worlds

Horizon Worlds Goals (Oncall: [horizon_community](#))
Your goals in Horizon Worlds

Your Primary Connected Page For Horizon Worlds (Oncall: [horizon_community](#))
Posts you have created in Horizon Worlds

Saved Worlds (Oncall: [horizon_community](#))
Worlds you saved in Horizon Worlds

Journalist registration
The information you provided to verify your status as a journalist

Your industry role (Oncall: [news_credibility](#))
Your roles within the news industry you selected during the registration process

Your professional email (Oncall: [news_credibility](#))
The email address you provided during the registration process

Your bylines (Oncall: [news_credibility](#))
Your links to the news stories that list you as an author or contributor

2

1



DYI

Status

Generate

Schema

Stuck Jobs

Switchboard

Ownership

<https://www.internalfb.com/support/dyi/schema/>

Staff directory (Oncall: [news_credibility](#))

The link to your news organization's staff directory

Additional benefits (Oncall: [news_credibility](#))

Your blue badge verification status and linked Instagram account for safety and protections

Neighborhoods

Neighborhoods you belong to, Neighborhoods profile data, and your posts and comments within the neighborhoods you belong to

Your Neighborhoods profile (Oncall: [loco_www](#))

Any favorite places, interests and neighborhood you've added to your Neighborhoods profile

Neighborhoods activity (Oncall: [loco_www](#))

Neighborhoods posts, comments, and reactions

Your Neighborhoods moderator activity (Oncall: [loco_www](#))

Any posts you've hidden or dismissed as a moderator

Other personal information

Other information you've provided

Your address books (Oncall: [growth_contacts](#))

Contact information you've added for friends and other people

Avatars (Oncall: [avatar_content](#))

Access your Facebook Avatar

Your reward cards (Oncall: [merchant_loyalty](#))

Reward cards you own

Facebook Portal

Info associated with your Portal, such as favorites and photos on Superframe

Your Portals (Oncall: [portal_dyi_ayi](#))

Info associated with your Portal, such as favorites and photos on Superframe

Your Portal albums (Oncall: [portal_discovery](#))

Albums created for your Portal

Your Portal voice interactions (Oncall: [assistant_privacy_integrity](#))

DYI Only

Voice interactions from your Portal

Profile information

Your contact information, information in your profile's About section, your life events, hobbies and music

Autofill information (Oncall: [offsite_and_offline_payments_client](#))

The addresses, phone numbers and email addresses you've added to the Facebook Mobile Browser for automatically completing forms

Profile information (Oncall: [profile_web](#))

Your name, birth date, work and education information and places you've lived that you've added to your profile

DYI Only

Page profile information (Oncall: [pages_admin_editing](#))

Your Page's name, website address, categories, contact info, location info and Page admins

DYI Only

Profile update history (Oncall: [profile_web](#))

DYI Only

Your Music (Oncall: [profile_web](#))

Songs you've added to your profile

Your Hobbies (Oncall: [profile_web](#))

2

1



DYI

Status

Generate

Schema

Stuck Jobs

Switchboard

Ownership

<https://www.internalfb.com/support/dyi/schema/>

Hobbies you've added to your profile

Basic profile

(Oncall: [work_profile_fields](#))

DYI Only

HR profile

(Oncall: [work_profile_fields](#))

DYI Only

Jobs

(Oncall: [job_search](#))

Information about job openings listed on your Page

DYI Only

Services

(Oncall: [fb_appointments](#))

Information about the services listed on your Page.

DYI Only

Friends and followers

1

Friends and followers

Your friends on Facebook, friend requests, friends you see more and see less, people you follow, and people who follow you

Friends

(Oncall: [growth_friending](#))

People you are currently connected to

Friend requests sent

(Oncall: [growth_friending](#))

Requests sent to others to ask them to be friends on Facebook

Friend requests received

(Oncall: [growth_friending](#))

Requests from others asking you to be friends on Facebook

Removed friends

(Oncall: [growth_friending](#))

People who you are no longer connected with on Facebook

Who you follow

(Oncall: [pages_core_infra](#))

People, organizations, or businesses that you choose to see content or posts from

People who follow you

(Oncall: [profile_following](#))

People who follow you

Friends You See Less

(Oncall: [profile_web](#))

Friends whose activity you've chosen to see less of on Facebook

DYI Only

Friends who rejected your friend request

(Oncall: [growth_friending](#))

A list of people who have rejected your friend request

DYI Only

Friends who removed you

(Oncall: [growth_friending](#))

A list of people who have unfriended you

DYI Only

Rejected friend requests

(Oncall: [growth_friending](#))

A list of people you rejected a friend request from

DYI Only

Logged information

13

Activity messages

A history of your interactions messages on Facebook

General

(Oncall: [goodwill_mc](#))

Messages about your activity you've received from Facebook, including number of Friends or posts with the most reactions

DYI Only

Events Interactions

(Oncall: [events](#))

The number of times you've recently visited the Events section of Facebook

DYI Only

Group Interactions

(Oncall: [groups_platform](#))

The number of times you've interacted with Groups on

DYI Only

2

1



DYI

Status

Generate

Schema

Stuck Jobs

Switchboard

Ownership

https://www.internalfb.com/support/dyi/schema/

Facebook		
People and Friends (Oncall: profile_web)		
People and friends you've interacted with, including comments and reactions		DYI Only
Bonuses		
Information about bonus opportunities you've participated in		
Bonus opportunities you've started (Oncall: creator_incentive_platform)		
Information about bonus opportunities you've begun		DYI Only
Location		
Information related to your location		
Location history (Oncall: dac_lh_view_data_model)		
A history of precise locations received through your devices		
Primary location (Oncall: home_prediction)		
Your primary location		
Location Services Setting (Oncall: ursa_mobile)		
		DYI Only
Location history enabled setting (Oncall: lh_products)		
		DYI Only
Primary public location (Oncall: home_prediction)		
Your primary location based on your public information and activity on Facebook		DYI Only
Last Location (Oncall: current_location)		
Your most recent location determined by your device		DYI Only
Device Location (Oncall: home_prediction)		
The service provider and country code associated with your device		DYI Only
Timezon e (Oncall: growth_registration_confirmation_accounts)		
Your timezone as determined by the devices you're using to access Facebook		DYI Only
Other logged information		
Other information that Facebook logs about your activity		
Friend peer group (Oncall: core_dimensions_api)		
Life stage description of your friends on Facebook		
Ads interests (Oncall: ad_preferences)		
Your interests based on your Facebook activity and other actions that help us show you relevant ads		
Music recommendations		
Song recommendations on Facebook based on genres of music you've interacted with.		
Music genres (Oncall: mpx)		
Music genres you've interacted with on Facebook		DYI Only
Facebook News		
Information about your activity and preferences for Facebook News		
Your topics (Oncall: news_compass_product)		
Topics you chose to see more of on Facebook News.		DYI Only
See less topics (Oncall: news_compass_product)		
Topics you chose to see less of on Facebook News.		DYI Only
Your locations (Oncall: news_compass_product)		
Locations you see local news from based on your primary		DYI Only

2

1



DYI

Status

Generate

Schema

Stuck Jobs

Switchboard

Ownership

<https://www.internalfb.com/support/dyi/schema/>

location and individual selections

DYI Only

Articles viewed (Oncall: [news_compass_product](#))

A list of links you opened from News

DYI Only

Time spent (Oncall: [feed_data_poseidon](#))

Amount of time you've spent on News

DYI Only

See less like this (Oncall: [news_compass_product](#))

You chose to see fewer news items like these in Facebook News

See more like this (Oncall: [news_compass_product](#))

You chose to see more news items like these in Facebook News

Notifications

A history of your notifications on Facebook

Notifications (Oncall: [onsite_notifications](#))

DYI Only

Observed data

Data we have observed about you from your Facebook activity

Things you have seen on Facebook (Oncall: [task_triage_videos](#))

Things you have viewed on facebook like profiles, pages, videos, events, etc.

DYI Only

Actions you have taken on Facebook (Oncall: [task_triage_videos](#))

Actions we have observed you performing on Facebook

DYI Only

Metadata on your facebook usage (Oncall: [task_triage_videos](#))

Things that we have observed from your Facebook usage

DYI Only

Privacy checkup

When you last started and finished a Privacy Checkup topic

Interactions (Oncall: [privacy_checkup](#))

When you last started and finished a Privacy Checkup topic

Reminders (Oncall: [privacy_checkup](#))

When you set up reminders and how often you've chosen to get them

Your topics

A collection of topics determined by your activity on Facebook that is used to create recommendations for you in different areas of Facebook such as News Feed, News and Watch

Your topics (Oncall: [central_interest_graph](#))

A collection of topics determined by your activity on Facebook that is used to create recommendations for you in different areas of Facebook such as News Feed, News and Watch

Topics you follow (Oncall: [central_interest_graph](#))

Topics you have chosen to follow on Facebook

DYI Only

Topics you see less (Oncall: [central_interest_graph](#))

Topics you have chosen to see less on Facebook

DYI Only

Search

A history of your searches on Facebook

Your search history (Oncall: [search_product](#))

Words, phrases and names you've searched for

Videos you've searched for (Oncall: [search_product](#))

Videos you've searched for

Voice search history (Oncall: [assistant_privacy_integrity](#))

A history of your voice search recordings and transcriptions on

2

1



DYI

Status

Generate

Schema

Stuck Jobs

Switchboard

Ownership

<https://www.internalfb.com/support/dyi/schema/>

Facebook

Sharing Alerts

A history of the alerts you saw when sharing news articles with other users on Facebook without opening the article first

Sharing alerts

(Oncall: [feed_quality](#))

A history of the alerts you saw when sharing news articles with other users on Facebook without opening the article first

DYI Only

Your interactions on Facebook

A history of your interactions on Facebook

Recently Viewed

(Oncall: [task_triage_videos](#))

Items you've recently viewed on Facebook including articles, groups, Stories, Marketplace items, Live videos and more

DYI Only

Recently Visited

(Oncall: [pymk_primary](#))

Areas of Facebook you've recently visited including people's profiles, Pages, groups and events

DYI Only

Survey responses

(Oncall: [bi_ace](#))

Surveys you've completed about purchase experiences with businesses on Facebook.

DYI Only

Security and login information

1

Security and login information

Technical information and logged activity related to your account

Your Facebook Activity History

(Oncall: [metrics_platform_time_spent](#))

A history of when you've accessed Facebook

DYI Only

Where You're Logged In

(Oncall: [account_security_controls](#))

Periods of time you've been actively logged into Facebook

Authorized Logins

(Oncall: [account_security_controls](#))

The computers and mobile phones you've saved to your Facebook account

Logins and Logouts

(Oncall: [compromised_accounts_detection_and_measurement_infra](#))

A history of your logins and logouts on Facebook

Login protection data

(Oncall: [compromised_accounts_detection_and_measurement_infra](#))

DYI Only

Account status changes

(Oncall: [cadm_infra](#))

DYI Only

Account activity

(Oncall: [compromised_accounts_detection_and_measurement_infra](#))

DYI Only

Record details

(Oncall: [integrity_actions](#))

Details included in some administrative records

DYI Only

IP address activity

(Oncall: [compromised_accounts_detection_and_measurement_infra](#))

Your recent activity from specific IP addresses

DYI Only

Browser cookies


(Oncall: [cadm_infra](#))

Information from your browser cookies

DYI Only

2

1



DYI

Status

Generate

Schema

Stuck Jobs

Switchboard

Ownership

<https://www.internalfb.com/support/dyi/schema/>

Email address verifications

(Oncall: growth_contacts)

DYI Only

A history of when you've verified your email address

Mobile devices

(Oncall: app_ads_device_registry)

DYI Only

A list of mobile devices you used to log in

Wi-Fi networks

(Oncall: fbc_permanet)

Wi-Fi networks you set up on your mobile device through Facebook

Apps and websites off of Facebook

1

Apps and websites off of Facebook

Apps you own and activity we receive from apps and websites off of Facebook

Posts from apps and websites

(Oncall: platform_api)

Posts from the apps you've given permission to post on your behalf

Your apps

(Oncall: platform_dev_management)

Apps you're the admin of

Your Off-Facebook Activity

(Oncall: data_access_and_control)

Your activity from the businesses and organizations you visit off of Facebook

Apps and websites

(Oncall: platform_login)

Apps and websites you've connected to your Facebook account

Your news subscriptions

(Oncall: news_publisher_value_backend)

News accounts that you can use to browse and read news articles on Facebook

Preferences

3

Facebook settings

Your settings for things like privacy and language, and Pages templates and tabs information for any Pages you have

Settings

(Oncall: privacy_control_infra)

DYI Only

Your settings

Page settings

(Oncall: pages_consumer_experience_www)

DYI Only

Current settings for your Page

Current template

(Oncall: pages_core_infra)

DYI Only

Information about the template currently active on your page

Tabs

(Oncall: pages_consumer_experience_www)

DYI Only

Information about the tabs currently active in your page

News Feed

Actions you've taken to customize your News Feed

News Feed

(Oncall: profile_web)

DYI Only

Profiles and Pages you've chosen to see more or less of in your News Feed

Interests

(Oncall: soap_onboarding_and_feed)

Interests you've prioritized in your News Feed

Preferences

Actions you've taken to customize your experience on Facebook

Face recognition

(Oncall: facer_data)

2

1



DYI

Status

Generate

Schema

Stuck Jobs

Switchboard

Ownership

https://www.internalfb.com/support/dyi/schema/

Your face recognition settings allow you to choose if you want Facebook to be able to recognize you in photos and videos.

Language and Locale

(Oncall: [internationalization](#))

DYI Only

Live Video

Subscriptions

(Oncall: [live_video_platform](#))

DYI Only

Scheduled Live videos you've subscribed to

Facebook Watch

(Oncall: [watch_server_foundation](#))

Videos on Facebook Watch you've chosen to see more or less of

Ads information

2

Ads information

Your interactions with ads and advertisers on Facebook

Payment history

(Oncall: [b2b_core](#))

DYI Only

All previous payments made on the ads payment account.

Ads account settings

(Oncall: [ads_prod_infra](#))

DYI Only

Ads account settings

Ads account user roles

(Oncall: [ads_prod_infra](#))

DYI Only

Valid users for this ad account and their roles.

Ads information

Your interactions with ads and advertisers on Facebook

Advertisers who uploaded a contact list with your information

(Oncall: [ad_preferences](#))

Advertisers who run ads using a contact list they uploaded that includes contact info you shared with them or with one of their data partners

Advertisers using your activity or information

(Oncall: [ad_preferences](#))

Advertisers can choose to show their ads to certain audiences. You may see ads because an advertiser has included you in an audience based on a list of information or your interactions with their website, app or store. Advertisers can use or upload a list of information that we can match to your profile.

Information you've submitted to advertisers

(Oncall: [ad_preferences](#))

DYI Only

Information you've given to advertisers using a form they've provided on Facebook

Advertisers you've interacted with

(Oncall: [ads_ranking_features](#))

Advertisers whose ads you've clicked on Facebook

Ad groups

(Oncall: [ads_api](#))

DYI Only

Ad group information, statistics, and ad versions.

https://www.internalfb.com/support/dyi/schema/

18/18

EXHIBIT B

Data Type	Included in DYI/Deprecated
<p>Appended Data defined as follows: (1) Data brokers (partner categories): public records, auto registration data, supermarket loyalty cards, retail purchases (e.g., Walmart), credit card purchases (Argus); (2) Advertisers (custom audiences, offline conversion measurement): Existing customer relationships, purchase history); and (3) Both (managed custom audiences, offline conversion measurement): Customized third-party data (usually opaque to FB).</p>	<p>Included in DYI/Deprecated. For (1), “partner categories” were deprecated in 2018. For (2) and (3), information about custom audiences, managed custom audiences, and ad interactions/pixel data for offline conversion measurement is included in DYI.</p>
<p>Behavioral Data defined as follows: (1) Web pixels (conversion pixel, website custom audiences). Includes website browsing behavior, explicit actions (likes, logins) off FB; (2) Web SDK (like button, FB login) Includes website browsing behavior, explicit actions (likes, logins) off FB; (3) Mobile SDK (app integrations, app installs, app events, autofill/payments) Includes mobile apps installed, explicit actions (likes, logins) off FB; and (4) Onavo. Includes opt-in panel: all device network activity.</p>	<p>Included in DYI/Deprecated. For (1), (2), and (3), this information is included in the DYI file. We note that the reference to “autofill/payments” is unclear, so we are unable to confirm whether it is in DYI. For (4), Onavo was deprecated in early 2019 and any associated data would either have been largely duplicative of app event data received through the mobile SDK or was not associated with particular users.</p>
<p>FBX. FB establishes a match table between a FB user and a 3P ad server’s cookie. This enables the 3P to show ads on FB to users that have visited websites where the 3P has placed one or their cookies on the user’s browser. The cookie sync is triggered by the 3P (it calls a FB endpoint) and is matched against FB’s FR cookie.</p>	<p>Deprecated. FBX was deprecated in 2016.</p>
<p>Custom audiences: We allow advertisers to upload lists of their customers to have ads shown to them on FB. We create custom audiences today based on email addresses, phone numbers, FB user IDs, and Apple iOS IDFAs. We also allow mobile app developers to create custom audiences based on information that they have provided to FB via the FB mobile SDKs.</p>	<p>Included in DYI. See above.</p>

<p>FB Mobile SDKs. Developers can choose to send information about how their users interact with their apps to FB. Developers can set up “custom app events” within their app using the FB Mobile SDKs. When a user does a pre-defined action, developers can have the FB SDK send each activity to FB. We log that information to court app installs and aggregate them for app analytics. By default, the SDK is set to report installs only (though the developer can turn this off). Tracking is done with Apple’s IDFA or with FB’s SDK attribution ID on Android.</p>	<p>Included in DYI. See above.</p>
<p>Conversion tracking. Websites can implement a FB pixel that is triggered when users land on specific pages. The pixel sends information from the user’s FR cookie to FB and we attribute the conversion with a specific ad.</p>	<p>Included in DYI. Ad interactions/pixel data included in DYI.</p>
<p>Website custom audiences. Websites can implement a FB pixel (different from conversion tracking) that is triggered when users land on specific pages. The pixel sends information from the user’s FR cookie to FB. FB resolves that info back to a specific user and FB places that user into a custom audience for that advertiser. Users can opt-out of this process through a cookie-based opt-out accessible from the Ads privacy settings page on FB.</p>	<p>Included in DYI. See above.</p>
<p>Partner categories. FB partners with select data partners and allows that to create custom audiences based on their own data. These custom audiences (called “Partner Categories”) are then available for use by any advertiser on FB. Data partners include [REDACTED] Users can opt-out of these categories through partner-specific opt-outs.</p>	<p>Deprecated. Partner categories were deprecated in 2018.</p>

<p>Offline measurement (via partners). FB works with [REDACTED] to help advertisers measure the effectiveness of their ads at driving in-store sales. FB provides partners with ad exposure data. Partners then use in-store sales data provided by retailers to the data partner to measure the sales lift from users that saw ads for the products being advertised.</p>	<p>No user-level data. Offline measurement via partners does not involve FB receiving user-level data.</p>
<p>Offline measurement (directly with FB). Similar to the previous offline measurement product, except without an intermediary partner. Advertisers (usually retailers) provide transaction data directly to FB and we generate the sales lift reports for the advertiser.</p>	<p>Included in DYI. See above.</p>
<p>Argus. FB uses Argus dataset on credit card transactions to build models on buying habits of certain types of users. We are currently not using this [in] any production systems.</p>	<p>Does not exist. Facebook terminated its testing of data provided by Argus in 2015.</p>
<p>Other data sets. FB occasionally acquires data sets to help inform different user models. [REDACTED] [REDACTED] In all cases, none of the datasets are user-level.</p>	<p>No user-level data. [REDACTED] is not associated with users, and therefore is not included in DYI. User zip codes are included in DYI.</p>

EXHIBIT C

Below is a summary of the DYI files produced for the current and former named plaintiffs in this case, that describes the categories of “discoverable user data” in each file identified by Judge Corley in Discovery Order No. 9: (1) data collected from a user’s on-platform activity, (2) data obtained from third parties regarding a user’s off-platform activities, and (3) data inferred from a user’s on or off-platform activity. On (3), DYI includes data that, as a factual matter, makes use of a user’s on or off-platform activity. Whether that data constitutes inferred data is a legal question on which we do not take a position for the purpose of trying to identify data in this category.

Named Plaintiff #1

Off-Platform Data: Off-Facebook Activity. Named Plaintiff #1's DYI file includes 134 pages detailing her activities off of the Facebook platform, FB-CA-MDL-01037131-7264, and an 8-page list of the names of businesses she visited off Facebook, FB-CA-MDL-01037123-7130. For instance, Named Plaintiff #1's file shows that, among dozens of other activities,

[REDACTED] FB-CA-MDL-01037229; [REDACTED] FB-CA-MDL-01037249; [REDACTED] FB-CA-MDL-01037148; [REDACTED] FB-CA-MDL-01037261-7264; [REDACTED] FB-CA-MDL-01037153-7224.

Facebook Login for Third Party Sites. Named Plaintiff #1's DYI file also shows about 150 apps and websites that she logged into using Facebook login. FB-CA-MDL-01037265-7275. These included

[REDACTED] and numerous others. *Id.*

Location History. Named Plaintiff #1's DYI file includes an 84-page list of locations from which she has accessed Facebook, including both the name of the location and its coordinates. FB-CA-MDL-01047309-7392. Such locations include [REDACTED] *Id.*

Inferred Data: Ads Interests. Named Plaintiff #1's DYI file contains a 54-page list of approximately 1400 interests Facebook has inferred about her for the purpose of targeting advertisements. FB-CA-MDL-01036969-7022. These include

[REDACTED] and many others. *Id.*

Topic Recommendations. Named Plaintiff #1's DYI file also includes

[REDACTED] FB-CA-MDL-01047022; [REDACTED] FB-CA-MDL-01047023-7025; and [REDACTED] FB-CA-MDL-01047026-7027.

Primary Location. Named Plaintiff #1's DYI file also shows her inferred "primary location," which Facebook determined from a range of sources, some of which were not directly provided by Named Plaintiff #1. FB-CA-MDL-01047393.

On-Platform Activity and "Native Data": Named Plaintiff #1's DYI file includes 271,812 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." Her profile includes:

Profile information (email address, phone number, address). Named Plaintiff #1's profile includes a 14-page list of relevant profile information, including her email addresses, phone number, current city, home town, birthday, and other similar biographical information. FB-CA-MDL-00926256-6269.

Posts and Comments. Named Plaintiff #1's DYI file includes 13,421 pages of posts and comments. FB-CA-MDL-00921231-3043; FB-CA-MDL-00923080-5884; FB-CA-MDL-00925988-6248; FB-CA-MDL-01042892-7017; FB-CA-MDL-01037282-1706.

Likes. Named Plaintiff #1's DYI file contains 12,056 pages of her likes and other reactions to posts, including that she liked or reacted to thousands of posts, including posts and photos by several of her friends and posts, photos, and videos by organizations and political groups. FB-CA-MDL-01047279

Shares (life events, social connections, info shared by other users). A significant portion of the posts cited above were shares. FB-CA-MDL-00921231-3043; FB-CA-MDL-00923080-5884; FB-CA-MDL-00925988-6248. For instance, Named Plaintiff #1 shared photos of herself, *see, e.g.*, FB-CA-MDL-00925988 at 5989, *id.* at 6003; news articles, *see, e.g., id.* at 5998, *id.* at 6005; and videos, *see, e.g., id.* at 6017, *id.* at 6024.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #1's DYI file includes 211 pages of account activity, including detailed information about her logins, showing a list of IP addresses and browsers she has used to log into Facebook, as well as the locations from which she logged into Facebook each day. FB-CA-MDL-00926623-6749; FB-CA-MDL-01047309-7392. It similarly provides a list of devices on which she is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-00926875; and a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-00926835-6861. Named Plaintiff #1's inferred primary location and off-platform location history are both reflected above. FB-CA-MDL-01047309-7392; FB-CA-MDL-01047393. Additionally, her DYI file separately shows the coordinates of her last location. FB-CA-MDL-01047308.

Named Plaintiff #2

[REDACTED]

Off-Platform Data: *Facebook Login for Third Party Sites.* Named Plaintiff #2's DYI file also shows about 36 apps and websites that she logged into using Facebook login. FB-CA-MDL-00080376-0378. These included [REDACTED]

[REDACTED] and several others. *Id.*

Location History. Named Plaintiff #2's DYI file includes a 29-page list of locations from which she has accessed Facebook, including both the name of the location and its coordinates. FB-CA-MDL-00089065-9093. Such locations include [REDACTED]

[REDACTED] *Id.*

Inferred Data: *Ads Interests.* Named Plaintiff #2's DYI file contains a 151-page list of approximately 3,900 interests Facebook has inferred about her for the purpose of targeting advertisements. FB-CA-MDL-00080055-0205. These include [REDACTED]

[REDACTED] *Id.*

On-Platform Activity and "Native Data": Named Plaintiff #2's DYI file includes 73,338 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." Her profile includes:

Profile information (email address, phone number, address). Named Plaintiff #2's profile includes a 68-page list of relevant profile information, including her email addresses, phone number, current city, home town, birthday, and other similar biographical information. FB-CA-MDL-00127960-8026; FB-CA-MDL-00080008.

Posts and Comments. Named Plaintiff #2's DYI file includes 17,602 pages of her posts and comments. FB-CA-MDL-00079985-80007; FB-CA-MDL-00117005-9337; FB-CA-MDL-00119338-21369; FB-CA-MDL-00121370-3278; FB-CA-MDL-00123279-5109; FB-CA-MDL-00125110-7136; FB-CA-MDL-00127137-7959; FB-CA-MDL-00084896-8318; FB-CA-MDL-00079574; FB-CA-MDL-00080741-3940.

Likes. Named Plaintiff #2's DYI file includes 4,407 pages of her likes and other reactions to posts, including that she liked or reacted to thousands of posts, including posts and photos by several of her friends and posts, photos, and videos by political pages. FB-CA-MDL-00079621; FB-CA-MDL-00605846; FB-CA-MDL-00580536-4940.

Shares (life events, social connections, info shared by other users). A significant portion of the posts cited above were shares. FB-CA-MDL-00079985-0007; FB-CA-MDL-00117005-9337; FB-CA-MDL-00119338-1369; FB-CA-MDL-00121370-3278; FB-CA-MDL-00123279-5109; FB-CA-MDL-00125110-7136; FB-CA-MDL-00127137-7959. For instance, she shared news articles, *see, e.g.*, FB-CA-MDL-00127137, *id.* at 7138, *id.* at 7178; YouTube videos, *see, e.g., id.* at 7190, *id.* at 7202; and movie recommendations, *see, e.g.*, FB-CA-MDL-00123279 at 3352, *id.* at 3719.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #2's DYI file includes 183 pages of account activity, including detailed information about her logins, showing a list of IP addresses and browsers she has used to log into Facebook, as well as the specific locations from which she logged into Facebook each day. FB-CA-MDL-00089065-9093; FB-CA-MDL-00080022-0028; FB-CA-MDL-00129614-9760. It similarly provides a list of devices on which she is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-00130038-0046; and a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-00129994-30020. Named Plaintiff #2's off-platform location history is reflected above. FB-CA-MDL-00089065-9093.

Named Plaintiff #3

[REDACTED]

Off-Platform Data: Off-Facebook Activity. Named Plaintiff #3's DYI file includes over 600 pages detailing his activities off of the Facebook platform, FB-CA-MDL-01224186-4794, and an 18-page list of the names of businesses he visited off Facebook, FB-CA-MDL-01224168-4185. For instance, Named Plaintiff #3's file shows that, among hundreds of other activities, [REDACTED] FB-CA-MDL-01224316; [REDACTED] FB-CA-MDL-01224416-4418; [REDACTED] FB-CA-MDL-01224793.

Facebook Login for Third Party Sites. Named Plaintiff #3's DYI file also shows about 30 apps and websites that he logged into using Facebook login. FB-CA-MDL-01224795-4797. These included [REDACTED]; [REDACTED] and numerous others. *Id.*

Inferred Data: Ads Interests. Named Plaintiff #3's DYI file contains a list of several dozen interests Facebook has inferred about him for the purpose of targeting advertisements. FB-CA-MDL-01224057-4058. These include [REDACTED] and several others. *Id.*

Topic Recommendations. Named Plaintiff #3's DYI file also includes a list of [REDACTED] FB-CA-MDL-01225385.

Primary Location. Named Plaintiff #3's DYI file also shows his inferred "primary location," which Facebook determined from a range of sources, some of which were not directly provided by Named Plaintiff #3. FB-CA-MDL-01225685.

On-Platform Activity and "Native Data": Named Plaintiff #3's DYI file includes 43,545 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." His profile includes:

Profile information (email address, phone number, address). Named Plaintiff #3's profile includes a 4-page list of relevant profile information, including his email addresses, phone number, current city, home town, birthday, and other similar biographical information. FB-CA-MDL-01266604-6607.

Posts and Comments. Named Plaintiff #3's DYI file includes 1,671 pages of posts and comments. FB-CA-MDL-01264888-6545; FB-CA-MDL-01225380; FB-CA-MDL-01224799-

4810. These include posts and comments about [REDACTED] *see, e.g., id.* FB-CA-MDL-01264888 at 4906 (“[REDACTED]”), *id.* at 4913 (“[REDACTED]”); and [REDACTED] *see, e.g., id.* at 6020 (“[REDACTED]”), *id.* at 5706 (“[REDACTED]”).

Likes. Named Plaintiff #3’s DYI file contains 257 pages of his likes and other reactions to posts, including that he liked or reacted to hundreds of posts, including posts and photos by several of his friends. FB-CA-MDL-01225426-5682.

Shares (life events, social connections, info shared by other users). A significant portion of the posts cited above were shares. FB-CA-MDL-01264888-6545. For instance, Named Plaintiff #3 shared YouTube videos, *see, e.g.,* FB-CA-MDL-01264888 at 5750, *id.* at 5739; Instagram posts, *see, e.g., id.* at 5707, *id.* at 5695; and [REDACTED] *see, e.g., id.* at 4889, *id.* at 4893, *id.* at 4908.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #3’s DYI file includes 504 pages of account activity, including detailed information about his logins, showing a list of IP addresses and browsers she has used to log into Facebook, as well as the specific locations from which she logged into Facebook each day. FB-CA-MDL-01266892-6906; FB-CA-MDL-01225685. It similarly provides a list of devices on which he is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-01266933-6934; a list of login protection data that also includes IP address information and estimated locations, including device type information, FB-CA-MDL-01266919-6925; and a list of mobile devices used to log into Facebook, FB-CA-MDL-01266929. Named Plaintiff #3’s inferred primary location is reflected above. FB-CA-MDL-01225685.

Named Plaintiff #4

Off-Platform Data: Named Plaintiff #4's file does not include any off-Platform activity.

Inferred Data: Ads Interests. Named Plaintiff #4's DYI file contains a 40-page list of approximately 1,000 interests Facebook has inferred about her for the purpose of targeting advertisements. FB-CA-MDL-01322313-2352. These include

and many others. *Id.*

Topic Recommendations. Named Plaintiff #4's DYI file also includes

FB-CA-MDL-01325914; and
FB-CA-MDL-01325915-5916.

Primary Location. Named Plaintiff #4's DYI file also shows her inferred "primary location," which Facebook determined from a range of sources, some of which were not directly provided by Named Plaintiff #4. FB-CA-MDL-01330168.

On-Platform Activity and "Native Data": Named Plaintiff #4's DYI file includes 34,118 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." Her profile includes:

Profile information (email address, phone number, address). Named Plaintiff #4's profile includes a 16-page list of relevant profile information, including her email addresses, family, home town, birthday, workplaces, and other similar biographical information. FB-CA-MDL-01352167-2182

Posts and Comments. Named Plaintiff #4's DYI file includes 6,155 pages of posts and comments. FB-CA-MDL-01345277-8207; FB-CA-MDL-01348767-51178; FB-CA-MDL-01351348-2159. These include posts and comments about *see, e.g., id.* at 5578 (""); and *see, e.g., id.* at 6318 (""); *id.* at 6331 ("").

Likes. Named Plaintiff #4's DYI file contains 3,881 pages of her likes and other reactions to posts, including that she liked or reacted to thousands of posts, including posts and photos by

several of her friends and posts, photos, and videos by political pages. FB-CA-MDL-01326201-30082.

Shares (life events, social connections, info shared by other users). A significant portion of the posts cited above were shares. FB-CA-MDL-01345277-8207; FB-CA-MDL-01348767-51178; FB-CA-MDL-01351348-2159; FB-CA-MDL-01324294-5896. For instance, Named Plaintiff #4 shared memories, *see, e.g.*, FB-CA-MDL-01345277 at 5559, *id.* at 5583; information about concerts, *see, e.g.*, *id.* at 5277, *id.* at 5294; and various news articles, *see, e.g.*, *id.* at 5286, *id.* at 5455, *id.* at 5567.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #4's DYI file includes 300 pages of account activity including detailed information about her logins, showing a list of IP addresses and browsers she has used to log into Facebook, and her primary location in [REDACTED]. FB-CA-MDL-01355335-5634; FB-CA-MDL-01330168. It similarly provides a list of devices on which she is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-01355771-5773; a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-01355686-5705; and a list of mobile devices used to log into Facebook, including device type information, FB-CA-MDL-01355756. Named Plaintiff #4's inferred primary location is reflected above. FB-CA-MDL-01330168.

Named Plaintiff #5

Off-Platform Data: Off-Facebook Activity. Named Plaintiff #5's DYI files include over 3,400 pages detailing her activity off of the Facebook platform, FB-CA-MDL-00417541-7542, FB-CA-MDL-02097251-02100665, and two expansive lists of the names of businesses she visited off Facebook totaling 100 pages, FB-CA-MDL-00417540, FB-CA-MDL-02097152-7250.

Named Plaintiff #5's files show that, among thousands of other activities, she [REDACTED] FB-CA-MDL-02098797-8806; [REDACTED], FB-CA-MDL-02099184; [REDACTED], FB-CA-MDL-02099934-9958; [REDACTED], FB-CA-MDL-02099760; [REDACTED], FB-CA-MDL-02100541, [REDACTED], FB-CA-MDL-02097632, [REDACTED], FB-CA-MDL-02100543, and [REDACTED], FB-CA-MDL-02100430.

Facebook Login for Third Party Sites. Named Plaintiff #5's DYI files also include two lists of hundreds of apps that she logged into through Facebook login, including [REDACTED]. FB-CA-MDL-00417543-7553; FB-CA-MDL-02097128-7151.

Inferred Data: Ads Interests. Named Plaintiff #5's DYI files contain a 7-page list of approximately 178 interests, FB-CA-MDL-00417417-7423, and a separate 24-page list of approximately 608 interests, FB-CA-MDL-02105172-5195, that Facebook has inferred about her for the purposes of ads targeting. These lists include [REDACTED] and many others. FB-CA-MDL-00417417-7423.

Topic Recommendations. Named Plaintiff #5's DYI file also includes a list of inferred interests used to [REDACTED]. FB-CA-MDL-02112804-2805.

Primary Location. Named Plaintiff #5's DYI file also shows her inferred "primary location," which Facebook determined from a range of sources, some of which were not directly provided by Named Plaintiff #5. FB-CA-MDL-02102785.

On-Platform Activity and "Native Data": Named Plaintiff #5's DYI file includes 26,154 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." Her profile includes:

Profile information (email address, phone number, address). Named Plaintiff #5's profile includes 12 pages of relevant profile information, including her email address, phone number, current city, home town, birthday, relationship status, and other similar biographical information. FB-CA-MDL-00420910-0917, FB-CA-MDL-02111974-1977.

Posts and Comments. Named Plaintiff #5's DYI file includes 6,333 pages of posts and comments. FB-CA-MDL-00017884-8953; FB-CA-MDL-00018954-9220; FB-CA-MDL-

00388454-9933; FB-CA-MDL-00389934-90241; FB-CA-MDL-02109955-111716; FB-CA-MDL-02111720-1938; FB-CA-MDL-00013941-3978; FB-CA-MDL-00386962-7004; FB-CA-MDL-02102670-2712; FB-CA-MDL-00013648-3857; FB-CA-MDL-00386690-6961; FB-CA-MDL-02100668-1288.

Likes. Named Plaintiff #5's DYI file contains 1,751 pages of her likes and other reactions to posts, including that she liked or reacted to thousands of posts, photos, and videos, including posts and photos by several of her friends and posts in various groups. FB-CA-MDL-00014040-4433; FB-CA-MDL-00417726-8157; FB-CA-MDL-02101502-2426.

Shares (life events, social connections, info shared by other users). A significant portion of the posts cited above were shares. FB-CA-MDL-00017884-8953; FB-CA-MDL-00018954-9220; FB-CA-MDL-00388454-9933; FB-CA-MDL-00389934-90241; FB-CA-MDL-02109955-111716; FB-CA-MDL-02111720-1938. For instance, Named Plaintiff #5 shared memories, *see, e.g.,* FB-CA-MDL-00017884 at 7903-7904, *id.* at 7981, FB-CA-MDL-02111720 at 1723; [REDACTED] *see* FB-CA-MDL-02111720 at 1938; [REDACTED] *see* FB-CA-MDL-02109955 at 10613.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #5's DYI file includes 126 pages of account activity including detailed information about her logins, showing a list of IP addresses and browsers she has used to log into Facebook, FB-CA-MDL-00420927-0943; FB-CA-MDL-02112315-2426, and the city, state, and country where those logins occurred, FB-CA-MDL-02112315-2426. It similarly provides a list of devices on which she is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-00421003, FB-CA-MDL-02112511-2521; a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-00420987-0990, FB-CA-MDL-02112457-2470; and a list of mobile devices used to log into Facebook, including device type information, FB-CA-MDL-02112501. Named Plaintiff #5's inferred primary location is reflected above. FB-CA-MDL-02102785. Additionally, her DYI file separately shows the coordinates of her last location. FB-CA-MDL-02102784.

Named Plaintiff #6

[REDACTED]

Off-Platform Data: Off-Facebook Activity. Named Plaintiff #6's DYI file includes 345 pages detailing her activities off of the Facebook platform, FB-CA-MDL-00524649-5002, and a 14-page list of the names of businesses she visited off Facebook, FB-CA-MDL-00525003-5016. For instance, Named Plaintiff #6's file shows that, among hundreds of other activities, [REDACTED]

[REDACTED] FB-CA-MDL-00524940-4941;
 [REDACTED] FB-CA-MDL-00524654; [REDACTED]
 [REDACTED] FB-CA-MDL-00524974-4978; [REDACTED]
 [REDACTED], FB-CA-MDL-00524905.

Facebook Login for Third Party Sites. Named Plaintiff #6's DYI file also shows [REDACTED]
 [REDACTED]. FB-CA-MDL-00524648.

Inferred Data: Ads Interests. Named Plaintiff #6's DYI file contains a 117-page list of approximately 3,000 interests Facebook has inferred about her for the purpose of targeting advertisements. FB-CA-MDL-00525075-5191. These include [REDACTED]

[REDACTED]; and many others. *Id.*

On-Platform Activity and "Native Data": Named Plaintiff #6's DYI file includes 24,001 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." Her profile includes:

Profile information (email address, phone number, address). Named Plaintiff #6's profile includes a 13-page list of relevant profile information, including her email address, home town, birthday, and other similar biographical information. FB-CA-MDL-00501617-1629.

Posts and Comments. Named Plaintiff #6's DYI file includes 4,976 pages of posts and comments. FB-CA-MDL-00522813-4628; FB-CA-MDL-00521776-2395; FB-CA-MDL-00501630-4169.

Likes. Named Plaintiff #6's DYI file contains 7,431 pages of her likes and other reactions to posts, including that she liked or reacted to tens of thousands of posts, photos, and videos, including posts and photos by several of her friends; posts, photos, and videos by pages like Appalachian Memes and A little Hippie A little Hood. FB-CA-MDL-00514197-21627.

Shares (life events, social connections, info shared by other users). A significant portion of the posts cited above were shares. FB-CA-MDL-00501630-4169. For instance, Named Plaintiff #6 shared memories, *see, e.g.*, FB-CA-MDL-00501630 at 1636, *id.* at 1718, and [REDACTED], *see id.* at 2359, *id.* at 2397.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #6's DYI file includes 147 pages of account activity including detailed information about her logins, showing a list of IP addresses and browsers she has used to log into Facebook. FB-CA-MDL-00501218-1364. It similarly provides a list of devices on which she is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-00501139; and a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-00501153-1168.

Named Plaintiff #7

[REDACTED]

Off-Platform Data: Off-Facebook Activity. Named Plaintiff #7's DYI file includes 241 pages detailing his activities off of the Facebook platform, FB-CA-MDL-00436842-7144, and a 10-page list of the names of businesses he visited off Facebook, FB-CA-MDL-00436832-6841. For instance, Named Plaintiff #7's file shows that, among hundreds of other activities, [REDACTED], FB-CA-MDL-00436844-6846; [REDACTED] FB-CA-MDL-00436886-6887; [REDACTED], FB-CA-MDL-00436900-6901.

Facebook Login for Third Party Sites. Named Plaintiff #7's DYI file also shows a list of 20 apps and websites that he logged into using Facebook login. FB-CA-MDL-00437145-7146. These included [REDACTED] and several others. *Id.*

Inferred Data: Ads Interests. Named Plaintiff #7's DYI file contains a 73-page list of approximately 1,878 interests Facebook has inferred about him for the purpose of targeting advertisements. FB-CA-MDL-00436633-6705. These include [REDACTED] and many others. *Id.*

On-Platform Activity and "Native Data": Named Plaintiff #7's DYI file includes 23,909 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." His profile includes:

Profile information (email address, phone number, address). Named Plaintiff #7's profile includes a 11-page list of relevant profile information, including his email addresses, phone number, current city, education, birthday, and other similar biographical information. FB-CA-MDL-00459326-9336.

Posts and Comments. Named Plaintiff #7's DYI file includes 4,681 pages of posts and comments. FB-CA-MDL-00456693-7912; FB-CA-MDL-00457913-9155; FB-CA-MDL-00459156-9325; FB-CA-MDL-00439617-9672; FB-CA-MDL-00437166-9157. These include posts and comments about [REDACTED] *see, e.g., id.* at 6716 ([REDACTED]); *id.* at 6749 ("[REDACTED]"); and [REDACTED] *see, e.g., id.* at 7180.

Likes. Named Plaintiff #7's DYI file contains 10,279 pages of his likes and other reactions to posts, including that he liked or reacted to thousands of posts, including posts and photos by several of his friends and posts, photos, and videos by political pages. FB-CA-MDL-00439795-50074.

Shares (life events, social connections, info shared by other users). A significant portion of the posts cited above were shares. FB-CA-MDL-00456693-7912; FB-CA-MDL-00457913-9155; FB-CA-MDL-00459156-9325. For instance, he shared news articles, *see, e.g.*, FB-CA-MDL-00456693, *id.* at 6696, *id.* at 6705, *id.* at 6718; YouTube videos, *see, e.g., id.* at 6762, *id.* at 6771, *id.* at 7620; and fundraisers, *see, e.g.*, FB-CA-MDL-00457913, *id.* at 7916.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #7's DYI file includes 163 pages of account activity including detailed information about his logins, showing a list of IP addresses and browsers he has used to log into Facebook. FB-CA-MDL-00460492-0654. It similarly provides a list of devices on which he is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-00460710; a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-00460684-0698.

Named Plaintiff #8

[REDACTED]

Off-Platform Data: Off-Facebook Activity. Named Plaintiff #8's DYI file includes 333 pages detailing her activities off of the Facebook platform, FB-CA-MDL-00816108-6441, and a 13-page list of the names of businesses she visited off Facebook, FB-CA-MDL-00816442-6454. For instance, Named Plaintiff #8's file shows that, among hundreds of other activities, [REDACTED], FB-CA-MDL-00816253; [REDACTED], FB-CA-MDL-00816342; [REDACTED], FB-CA-MDL-00816199; and [REDACTED], FB-CA-MDL-00816286.

Facebook Login for Third Party Sites. Named Plaintiff #8's DYI file also shows 22 apps and websites that she logged into using Facebook login. FB-CA-MDL-00816106-6107. These included [REDACTED] and several others. *Id.*

Inferred Data: Ads Interests. Named Plaintiff #8's DYI file contains an 18-page list of approximately 464 interests Facebook has inferred about her for the purpose of targeting advertisements. FB-CA-MDL-00816584-6601. These include [REDACTED] and several others. *Id.*

On-Platform Activity and "Native Data": Named Plaintiff #8's DYI file includes 18,922 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." Her profile includes:

Profile information (email address, phone number, address). Named Plaintiff #8's profile includes a 3-page list of relevant profile information, including her email addresses, phone number, current city, relationship status, birthday, and other similar biographical information. FB-CA-MDL-00810863-0865.

Posts and Comments. Named Plaintiff #8's DYI file includes 2,557 pages of posts and comments. FB-CA-MDL-00800176-2392; FB-CA-MDL-00810311-0421; FB-CA-MDL-00810422-0650. These include posts and comments about celebrations, *see, e.g.*, CA-MDL-00800176 at 0203 ("[REDACTED]"); pets *id.* at 0209 ("[REDACTED]"); among other topics.

Likes. Named Plaintiff #8's DYI file contains 2,495 pages of her likes and other reactions to posts, including that she liked or reacted to thousands of posts, including posts and photos by several of her friends and posts, photos, and videos by local pages [REDACTED]

[REDACTED] FB-CA-MDL-00797617-800111.

Shares (life events, social connections, info shared by other users). A significant portion of the posts cited above were shares. FB-CA-MDL-00800176-2392. For instance, Named Plaintiff #8 shared pictures of family, *see, e.g.*, FB-CA-MDL-00800176 at 0177, *id.* at 0191; trivia results, *see, e.g., id.* at 1310, *id.* at 1311, *id.* at 1320; and news articles, *see, e.g., id.* 0196, *id.* at 0523, *id.* at 0547.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #8's DYI file includes 146 pages of account activity including detailed information about her logins, showing a list of IP addresses and browsers she has used to log into Facebook. FB-CA-MDL-00810700-0845. It similarly provides a list of devices on which she is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-00810654-0655; and a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-00810661-0677.

Named Plaintiff #9

[REDACTED]

Off-Platform Data: *Off-Facebook Activity.* Named Plaintiff #9's DYI file includes 289 pages detailing her activities off of the Facebook platform, FB-CA-MDL-00048368-8753, and a 12-page list of the names of businesses she visited off Facebook, FB-CA-MDL-00048356-8367. For instance, Named Plaintiff #9's file shows that, among hundreds of other activities, she

[REDACTED]
 [REDACTED] FB-CA-MDL-00048369-8383; [REDACTED]

[REDACTED] FB-CA-MDL-00048632-8645; [REDACTED]

[REDACTED] FB-CA-MDL-00048368; [REDACTED]

[REDACTED] FB-CA-MDL-00048743; and [REDACTED]

[REDACTED] FB-CA-MDL-00048625-8631.

Location History. Named Plaintiff #9's DYI file also includes a 222-page list of locations from which she has accessed Facebook, including both the name of the location and its coordinates. FB-CA-MDL-00050375-0596. Such locations include [REDACTED]

[REDACTED] *Id.*

Inferred Data: *Ads Interests.* Named Plaintiff #9's DYI file contains a 2-page list of 29 interests Facebook has inferred about her for the purpose of targeting advertisements. FB-CA-MDL-00048298-8299. These include [REDACTED]

[REDACTED] and several others. *Id.*

On-Platform Activity and "Native Data": Named Plaintiff #9's DYI file includes 18,387 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." Her profile includes:

Profile information (email address, phone number, address). Named Plaintiff #9's profile includes a 9-page list of relevant profile information, including her email addresses, phone number, relationship status, family, birthday, and other similar biographical information. FB-CA-MDL-00067507-7515.

Posts and Comments. Named Plaintiff #9's DYI file includes 2,386 pages of her posts and comments. FB-CA-MDL-00066123-7506; FB-CA-MDL-00049206-9918; FB-CA-MDL-00048776-9064.

Likes. Named Plaintiff #9's DYI file contains 853 pages of her likes and other reactions to posts, including that she liked or reacted to thousands of posts, including posts and photos by several of her friends and posts, photos, and pages. FB-CA-MDL-00561447-1894; FB-CA-MDL-00049957-50361.

Shares (life events, social connections, info shared by other users). A significant portion of the posts cited above were shares. FB-CA-MDL-00066123-7506. For instance, Named Plaintiff #9 shared news articles, *see, e.g.*, FB-CA-MDL-00066123 at 6143, *id.* at 6154, *id.* at 6162; fundraisers, *see, e.g., id.* at 6169, *id.* at 6297; and YouTube videos, *see, e.g., id.* at 6190, *id.* at 6202, *id.* at 6206.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #9's DYI file includes 339 pages of account activity, including detailed information about her logins, showing a list of IP addresses and browsers she has used to log into Facebook, as well as the specific locations from which she logged into Facebook each day. FB-CA-MDL-00050375-0596; FB-CA-MDL-00067720-7836. It similarly provides a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-00067865-7878. Named Plaintiff #9's off-platform location history is reflected above. FB-CA-MDL-00050375-0596.

Named Plaintiff #10

Off-Platform Data: Off-Facebook Activity. Named Plaintiff #10's DYI file includes 459 pages detailing her activities off of the Facebook platform, FB-CA-MDL-00421755-2213, and a 13-page list of the names of businesses she visited off Facebook, FB-CA-MDL-00421742-1754. For instance, Named Plaintiff #10's file shows that, [REDACTED]

[REDACTED] FB-CA-MDL-00421768-1770; [REDACTED] FB-CA-MDL-00421872-1873; [REDACTED] FB-CA-MDL-00421778-1790; [REDACTED] FB-CA-MDL-00421930.

Facebook Login for Third Party Sites. Named Plaintiff #10's DYI file also shows about 225 apps and websites that she logged into using Facebook login. FB-CA-MDL-00422214-2229. These included [REDACTED] and numerous others. *Id.*

Location History. Named Plaintiff #10's DYI file includes a 195-page list of locations from which she has accessed Facebook, including both the name of the location and its coordinates. FB-CA-MDL-00428646-8840. Such locations include [REDACTED] *Id.*

Inferred Data: Ads Interests. Named Plaintiff #10's DYI file contains a 71-page list of approximately 1,830 interests Facebook has inferred about her for the purpose of targeting advertisements. FB-CA-MDL-00421527-1597. These include [REDACTED] and many others. *Id.*

On-Platform Activity and "Native Data": Named Plaintiff #10's DYI file includes 15,084 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." Her profile includes:

Profile information (email address, phone number, address). Named Plaintiff #10's profile includes a 10-page list of relevant profile information, including her email address, phone number, current city, birthday, education, workplace, and other similar biographical information. FB-CA-MDL-00436409-6418.

Posts and Comments. Named Plaintiff #10's DYI file includes 2,194 pages of posts and comments. FB-CA-MDL-00435150-6408; FB-CA-MDL-00422348-3258; FB-CA-MDL-00423369-3392.

Likes. Named Plaintiff #10's DYI file contains 5,135 pages of her likes and other reactions to posts, including that she liked or reacted to thousands of posts, photos, and videos, including posts and photos by several of her friends, and posts in [REDACTED] FB-CA-MDL-00423498-8632.

Shares (life events, social connections, info shared by other users). A significant portion of the posts cited above were shares. FB-CA-MDL-00435150-6408. For instance, Named Plaintiff #10 shared memories, *see, e.g.*, FB-CA-MDL-00435150 at 5167, *id.* at 5206, *id.* at 5347; and shared episodes of several shows, [REDACTED], *id.* at 5152, [REDACTED], *id.* at 5302, [REDACTED], *id.* at 5498.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #10's DYI file includes 124 pages of account activity including detailed information about her logins, showing a list of IP addresses and browsers she has used to log into Facebook. FB-CA-MDL-00436443-6566. It similarly provides a list of devices on which she is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-00436594-6595; a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-00436579-6591. Named Plaintiff #10's off-platform location history is reflected above. FB-CA-MDL-00428646-8840.

Named Plaintiff #11

Off-Platform Data: Off-Facebook Activity. Named Plaintiff #11's DYI file includes over 300 pages detailing his activities off of the Facebook platform, FB-CA-MDL-00560007-0323, and a 13-page list of the names of businesses he visited off Facebook, FB-CA-MDL-00560324-0336. For instance, Named Plaintiff #11's file shows that, among hundreds of other activities, [REDACTED], FB-CA-MDL-00560222 [REDACTED], FB-CA-MDL-00560110.

Facebook Login for Third Party Sites. Named Plaintiff #11's DYI file also showed approximately 90 apps and websites that he logged into using Facebook Login, [REDACTED]. FB-CA-MDL-00560000-0006.

Location History. Named Plaintiff #11's DYI file includes a 24-page list of locations from which he has accessed Facebook, including both the name of the location and its coordinates. FB-CA-MDL-00559836-9859. Such locations include [REDACTED]. *Id.*

Inferred Data: Ads Interests. Named Plaintiff #11's DYI file contains a 20-page list of approximately 493 interests Facebook has inferred about him for the purposes of targeting advertisements. FB-CA-MDL-00560376-0395. These include general interests like [REDACTED]. *Id.*

On-Platform Activity and "Native Data": Named Plaintiff #11's DYI file includes 15,151 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." His profile includes:

Profile information (email address, phone number, address). Named Plaintiff #11's profile includes a 4-page list of relevant profile information, including his email addresses, phone numbers, current city, home town, birthday, and other similar biographical information. FB-CA-MDL-00557789-7792.

Posts and Comments. Named Plaintiff #11's DYI file includes 2,235 pages of posts and comments. FB-CA-MDL-00030955-1367; FB-CA-MDL-00549452-0246; FB-CA-MDL-00020602-0845; FB-CA-MDL-00556596-6941; FB-CA-MDL-00020259-0471; FB-CA-MDL-00556944-7167.

Likes. Named Plaintiff #11's DYI file contains 1,011 pages of his likes and reactions to various posts, including that he liked and reacted to hundreds of posts and comments by his friends as well as posts and groups relating to Northwestern California University School of Law and various other organizations. FB-CA-MDL-00020858-1335; FB-CA-MDL-00548833-9365.

Shares (life events, social connections, info shared by other users). Many of the posts cited above were shares by Named Plaintiff #11. MDL-00030955-1367; FB-CA-MDL-00549452-0246. For instance, he shared YouTube videos, *see, e.g.*, MDL-00030955 at 0957; news articles about legal cases, *see, e.g., id.* at 0958, among other things.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #11's DYI file includes 181 pages of account activity, including detailed information about his logins, showing a list of IP addresses and browsers he has used to log into Facebook, as well as the specific locations from which he logged into Facebook each day. FB-CA-MDL-00557274-7430; FB-CA-MDL-00559836-9859. It similarly provides a list of devices on which he is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-00557188-7190; and a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-00557215-7226. Named Plaintiff #11's off-platform location history is reflected above. FB-CA-MDL-00559836-9859.

Named Plaintiff #12

Off-Platform Data: Off-Facebook Activity. Notably and unusually, Named Plaintiff #12's DYI file does not include any off-Facebook activity. [REDACTED]

Facebook Login for Third Party Sites. Named Plaintiff #12's DYI file shows approximately 89 apps and websites that she logged into using Facebook login. FB-CA-MDL-00460927-0933. This includes [REDACTED]

[REDACTED] and several others. *Id.*

Location History. Named Plaintiff #12's DYI file includes a 362-page list of locations from which she has accessed Facebook, including both the name of the location and its coordinates. FB-CA-MDL-00464567-4928. Such locations include [REDACTED]

Id.

Inferred Data: Ads Interests. Named Plaintiff #12's DYI file contains a 34-page list of approximately 874 interests Facebook has inferred for her. FB-CA-MDL-00460759-0792. These include [REDACTED]

[REDACTED] and many others. *Id.*

On-Platform Activity and "Native Data": Named Plaintiff #12's DYI file includes 12,251 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." Her profile includes:

Profile information (email address, phone number, address). Named Plaintiff #12's profile includes a 10-page list of relevant profile information, including her email addresses, phone number, current city, home town, birthday, and other similar biographical information. FB-CA-MDL-00471582-1591.

Posts and Comments. Named Plaintiff #12's DYI file includes 1,764 pages of posts and comments. FB-CA-MDL-00470831-1581; FB-CA-MDL-00461763-2081; FB-CA-MDL-00460939-1632. These include posts about her job, *see, e.g.*, FB-CA-MDL-00470831 at 1518 ("[REDACTED]") and pets, *see, e.g.*, FB-CA-MDL-00461763 at 178 ("[REDACTED]").

Likes. Named Plaintiff #12's DYI file contains 2,385 pages of her likes and other reactions to posts, including that she liked or reacted to thousands of posts, including posts and photos by several of her friends and posts, photos, and videos by [REDACTED]. FB-CA-MDL-00462169-4553.

Shares (life events, social connections, info shared by other users). A significant portion of the posts cited above were shares from Named Plaintiff #12. FB-CA-MDL-00470831-1581. For instance, she shared news articles, *see, e.g.*, FB-CA-MDL-00470831 at 0833, *id.* at 0835; class action notices, *see, e.g., id.* at 0847, *id.* at 1014; and fundraisers, *see, e.g., id.* at 0868, *id.* at 0875.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #12's DYI file includes 504 pages of account activity, including detailed information about her logins, showing a list of IP addresses and browsers she has used to log into Facebook, as well as the specific locations from which she logged into Facebook each day. FB-CA-MDL-00472535-2676; FB-CA-MDL-00464567-4928. It similarly provides a list of devices on which she is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-00472759-2760; and a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-00472742-2753. Named Plaintiff #12's off-platform location history is reflected above. FB-CA-MDL-00464567-4928.

Named Plaintiff #13

Off-Platform Data: Off-Facebook Activity. Named Plaintiff #13's DYI file includes 115 pages detailing his activities off of the Facebook platform, FB-CA-MDL-00535747-5861, and a 5-page list of the names of businesses he visited off Facebook, FB-CA-MDL-00535862-5866. For instance, Named Plaintiff #13's file shows that, among dozens of other activities, [REDACTED], FB-CA-MDL-00535843; [REDACTED], FB-CA-MDL-00535773; [REDACTED], FB-CA-MDL-00535827-5830; [REDACTED], FB-CA-MDL-00535820-5824.

Facebook Login for Third Party Sites. Named Plaintiff #13's DYI file also shows [REDACTED]. FB-CA-MDL-00535746.

Location History. Named Plaintiff #13's DYI file includes an 8-page list of locations from which he has accessed Facebook, including both the name of the location and its coordinates. FB-CA-MDL-00535688-5695. Such locations include [REDACTED]. *Id.*

Inferred Data: Ads Interests. Named Plaintiff #13's DYI file contains a 38-page list of approximately 971 interests Facebook has inferred about him for the purpose of targeting advertisements. FB-CA-MDL-00535993-6030. These include [REDACTED] and many others. *Id.*

On-Platform Activity and "Native Data": Named Plaintiff #13's DYI file includes 10,821 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." His profile includes:

Profile information (email address, phone number, address). Named Plaintiff #13's profile includes a 2-page list of relevant profile information, including his email address, current city, home town, birthday, relationship status, education, workplace, and other similar biographical information. FB-CA-MDL-00534214-4215.

Posts and Comments. Named Plaintiff #13's DYI file includes 742 pages of posts and comments. FB-CA-MDL-00525614-5839; FB-CA-MDL-00533412-3528; FB-CA-MDL-00533529-3927. These include posts and comments about politics, local issues, *see* FB-CA-

MDL-00525614 at 5813-5814 [REDACTED]
[REDACTED]); and education, *see* FB-CA-MDL-00533529 at 3634 ([REDACTED]).

Likes. Named Plaintiff #13's DYI file contains 1,127 pages of his likes and other reactions to posts, including that he liked or reacted to thousands of posts, photos, and videos, including posts and photos by several of his friends; posts, photos and videos by political pages; and posts in [REDACTED]. FB-CA-MDL-00532261-3387.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #13's DYI file includes 56 pages of account activity including detailed information about his logins, showing a list of IP addresses and browsers she has used to log into Facebook. FB-CA-MDL-00534116-4171. It similarly provides a list of devices on which he is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-00534078-4079; and a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-00534096-4108. Named Plaintiff #13's off-platform location history is reflected above. FB-CA-MDL-00535688-5695.

Named Plaintiff #14

[REDACTED]

Off-Platform Data: Off-Facebook Activity. Named Plaintiff #14's DYI file includes 288 pages detailing his activities off of the Facebook platform, FB-CA-MDL-01199959-200246, and a 9-page list of the names of businesses she visited off Facebook, FB-CA-MDL-01199950-9958. For instance, Named Plaintiff #14's file shows that, among hundreds of other activities, he [REDACTED], FB-CA-MDL-01200035; [REDACTED], FB-CA-MDL-01200105; [REDACTED] FB-CA-MDL-01200025-0026.

Facebook Login for Third Party Sites. Named Plaintiff #14's DYI file also shows about 70 apps and websites that he logged into using Facebook login. FB-CA-MDL-01200247-0251. These included [REDACTED] and numerous others. *Id.*

Inferred Data: Ads Interests. Named Plaintiff #14's DYI file contains a 19-page list of approximately 469 interests Facebook has inferred about him for the purpose of targeting advertisements. FB-CA-MDL-01199851-9869. These include [REDACTED] and many others. *Id.*

Topic Recommendations. Named Plaintiff #14's DYI file also includes topic recommendations for his Facebook Watch tab, [REDACTED] FB-CA-MDL-01200624; News Feed Topic recommendations, [REDACTED], FB-CA-MDL-01200625-0626; and recommendations for the News tab, [REDACTED] FB-CA-MDL-01200627.

Primary Location. Named Plaintiff #14's DYI file also shows his inferred "primary location," which Facebook determined from a range of sources, some of which were not directly provided by Named Plaintiff #14. FB-CA-MDL-01201196.

On-Platform Activity and "Native Data": Named Plaintiff #14's DYI file includes 9,378 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." His profile includes:

Profile information (email address, phone number, address). Named Plaintiff #14's profile includes a 3-page list of relevant profile information, including his email address, phone number,

current city, home town, birthday, education, workplace, and other similar biographical information. FB-CA-MDL-01208806-8808.

Posts and Comments. Named Plaintiff #14's DYI file includes 1,059 pages of his posts and comments. FB-CA-MDL-01207925-8750; FB-CA-MDL-01200443-0613; FB-CA-MDL-01200259-0320.

Likes. Named Plaintiff #14's DYI file contains 536 pages of his likes and other reactions to posts, including that he liked or reacted to hundreds of posts, photos, and videos, including posts and photos by several of his friends and posts by sports-related pages like the Los Angeles Lakers and Kobe Bryant. FB-CA-MDL-01200654-1189.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #14's DYI file includes 264 pages of account activity including detailed information about his logins, showing a list of IP addresses and browsers he has used to log into Facebook and the city, state, and country where those logins occurred. FB-CA-MDL-01208856-9119. It similarly provides a list of devices on which he is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-01209180-9187; a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-01209140-9157; and a list of mobile devices used to log into Facebook, including device type information, FB-CA-MDL-01209175. Named Plaintiff #14's inferred primary location is reflected above. FB-CA-MDL-01201196.

Named Plaintiff #15

[REDACTED]

Off-Platform Data: *Off-Facebook Activity.* *Off-Facebook Activity.* Named Plaintiff #15's DYI file includes 17 pages detailing her activities off of the Facebook platform, FB-CA-MDL-00481388-1404, and a 1-page list of the names of businesses she visited off Facebook, FB-CA-MDL-00481387. For instance, Named Plaintiff #15's file shows that she [REDACTED] FB-CA-MDL-00481393; [REDACTED], FB-CA-MDL-00481393; [REDACTED] FB-CA-MDL-00481388-1391.

Facebook Login for Third Party Sites. Named Plaintiff #15's DYI file also shows [REDACTED] FB-CA-MDL-00481405.

Location History. Named Plaintiff #15's DYI file includes a 17-page list of locations from which she has accessed Facebook, including both the name of the location and its coordinates. FB-CA-MDL-00485525-5541. Such locations include [REDACTED] *Id.*

Inferred Data: *Ads Interests.* Named Plaintiff #15's DYI file contains a 6-page list of approximately 156 interests Facebook has inferred about her for the purpose of targeting advertisements. FB-CA-MDL-00481257-1263. These include [REDACTED] *Id.*

On-Platform Activity and "Native Data": Named Plaintiff #15's DYI file includes 9,215 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." Her profile includes:

Profile information (email address, phone number, address). Named Plaintiff #15's profile includes a 7-page list of relevant profile information, including her email address, phone number, current city, home town, birthday, and other similar biographical information. FB-CA-MDL-00489963-9969.

Posts and Comments. Named Plaintiff #15's DYI file includes 1,625 pages of posts and comments. FB-CA-MDL-00481422-1773, FB-CA-MDL-00481955-2016, FB-CA-MDL-00488797-9962.

Likes. Named Plaintiff #15's DYI file contains 3,397 pages of her likes and other reactions to posts, including that she liked or reacted to tens of thousands of posts, photos, and videos, including posts and photos by several of her friends; and posts by [REDACTED] Cottonwood FFA and [REDACTED]

[REDACTED]. A significant portion of the posts cited above were shares. FB-CA-MDL-00488797-9962. For instance, Named Plaintiff #15 shared memories, *see, e.g.*, FB-CA-MDL-00488797 at 8800, *id.* at 8842, *id.* at 8909; and [REDACTED], *see, e.g., id.* at 8828, *id.* at 8830.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #15's DYI file includes 142 pages of account activity including detailed information about her logins, showing a list of IP addresses and browsers she has used to log into Facebook. FB-CA-MDL-00490110-0251. It similarly provides a list of devices on which she is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-00490328; and a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-00490299-0312. Named Plaintiff #15's off-platform location history is reflected above. FB-CA-MDL-00485525-5541.

Named Plaintiff #16

Off-Platform Data: *Off-Facebook Activity*. Named Plaintiff #16's DYI file does not include any off-Facebook activity. [REDACTED]

Facebook Login for Third Party Sites. Named Plaintiff #16's DYI file shows more than one hundred apps and websites that he logged into at some point using Facebook login. FB-CA-MDL-02090622-0636. This includes [REDACTED]

[REDACTED] and numerous others. *Id.*

Inferred Data: *Ads Interests*. Named Plaintiff #16's DYI file contains a 10-page list of approximately 175 interests Facebook has inferred about him for the purpose of placing advertisements. PLAINTIFFS00000001-0010. These include [REDACTED]

[REDACTED] and many others. *Id.* [REDACTED] the version of Named Plaintiff #16's DYI file that Facebook produced did not include this information, it was present in the version that Named Plaintiff #16 produced; [REDACTED]

Primary Location. Named Plaintiff #16's DYI file also shows his inferred "primary location," which Facebook determined from a range of sources, some of which were not directly provided by Named Plaintiff #16. FB-CA-MDL-02091261.

On-Platform Activity and "Native Data": Named Plaintiff #16's DYI file includes 9,106 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." His profile includes:

Profile information (email address, phone number, address). Named Plaintiff #16's profile includes 5 pages of relevant profile information, including his email address, current city, home town, birthday, relationship status, workplace, and other similar biographical information. FB-CA-MDL-00379004, FB-CA-MDL-02096691-6694.

Posts and Comments. Named Plaintiff #16's DYI file includes 738 pages of posts and comments. FB-CA-MDL-00379003; FB-CA-MDL-02096191-6686; FB-CA-MDL-02091249-1251; FB-CA-MDL-02090640-0873; FB-CA-MDL-02091244-1247. For instance, Named Plaintiff #16's posts and comments include various posts about [REDACTED] *see, e.g.*, FB-CA-MDL-02096191 at 6252 ("[REDACTED]"), [REDACTED], *id.* at 6391-6391.

Likes. Named Plaintiff #16's DYI file contains 314 pages of his likes and other reactions to posts, including that he liked or reacted to thousands of posts, photos, and videos, including posts

and photos by several of his friends and posts by local pages such as Goodwill Industries of Middle Tennessee, Inc. FB-CA-MDL-02090884-1197.

Shares (life events, social connections, info shared by other users). Several of the posts cited above were shares. FB-CA-MDL-02096191-6686. For instance, Named Plaintiff #16 shared several memories, *see, e.g.*, FB-CA-MDL-02096191 at 6653, *id.* at 6665, *id.* at 6673; and shared [REDACTED] *id.* at 6670.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #16's DYI file includes 178 pages of account activity including detailed information about his logins, showing a list of IP addresses and browsers she has used to log into Facebook, FB-CA-MDL-00379007-9078, FB-CA-MDL-02096798-6903, and the city, state, and country where those logins occurred, FB-CA-MDL-02096798-6903. It similarly provides a list of devices on which he is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-00379096; and a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-00379089-9092. Named Plaintiff #16's inferred primary location is reflected above. FB-CA-MDL-02091261. Additionally, his DYI file separately shows his primary public location based on other public information and activity he conducted on Facebook. FB-CA-MDL-02091262.

Named Plaintiff #17

Off-Platform Data: Off-Facebook Activity. Named Plaintiff #17's DYI file includes 607 pages detailing her activities off of the Facebook platform, FB-CA-MDL-00037680-8286, and a 19-page list of the names of businesses she visited off Facebook, FB-CA-MDL-00037661-7679. For instance, Named Plaintiff #17's file shows that, among hundreds of other activities, she

[REDACTED] FB-CA-MDL-00037704-7707; [REDACTED], FB-CA-MDL-00037718-7719; [REDACTED], FB-CA-MDL-00037708.

Facebook Login for Third Party Sites. Named Plaintiff #17's DYI file also shows about 124 apps and websites that she logged into using Facebook login. FB-CA-MDL-00038287-8295. These included [REDACTED]

[REDACTED]; and numerous others. *Id.*

Inferred Data: Ads Interests. Named Plaintiff #17's DYI file contains a 16-page list of approximately 400 interests Facebook has inferred about her for the purpose of targeting advertisements. FB-CA-MDL-00037515-7530. These include [REDACTED]

[REDACTED] and many others. *Id.*

On-Platform Activity and "Native Data": Named Plaintiff #17's DYI file includes 8,430 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." Her profile includes:

Profile information (email address, phone number, address). Named Plaintiff #17's profile includes a 2-page list of relevant profile information, including her email address, phone number, current city, home town, birthday, relationship status, workplace, and other similar biographical information. FB-CA-MDL-00047762-7763.

Posts and Comments. Named Plaintiff #17's DYI file includes 1,159 pages of posts and comments. FB-CA-MDL-00046668-7761; FB-CA-MDL-00038527-8530; FB-CA-MDL-00038297-8357. These include social posts and comments, *see, e.g., id.* at 6889 ("[REDACTED]"), *id.* at 6921; and birthdays, *see, e.g., id.* at 6786 ("[REDACTED]").

Likes. Named Plaintiff #17's DYI file contains 1,319 pages of her likes and other reactions to posts, including that she liked or reacted to thousands of posts, photos, and videos, including posts and photos by several of her friends and posts and videos from pages like Elite Daily and BuzzFeed. FB-CA-MDL-00491384-2702.

Shares (life events, social connections, info shared by other users). A few of the posts cited above were shares. FB-CA-MDL-00046668-7761. For instance, Named Plaintiff #17 shared several memories, *see, e.g.*, FB-CA-MDL-00046668 at 6717, *id.* at 6761, *id.* at 6772.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #17's DYI file includes 132 pages of account activity including detailed information about her logins, showing a list of IP addresses and browsers she has used to log into Facebook. FB-CA-MDL-00047813-7944. It similarly provides a list of devices on which she is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-00047984; and a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-00047964-7977.

Named Plaintiff #18

Off-Platform Data: *Facebook Login for Third Party Sites.* Named Plaintiff #18's DYI file shows about 30 apps and websites that he logged into using Facebook login. FB-CA-MDL-00473079-3081. These included [REDACTED]

[REDACTED] and several others. *Id.*

Location History. Named Plaintiff #18's DYI file also includes a 142-page list of locations from which he has accessed Facebook, including both the name of the location and its coordinates. FB-CA-MDL-00475574-5715. Such locations include [REDACTED]

Id.

Inferred Data: *Ads Interests.* Named Plaintiff #18's DYI file contains a 68-page list of approximately 1,758 interests Facebook has inferred about him for the purpose of targeting advertisements. FB-CA-MDL-00472895-2962. These include [REDACTED]

[REDACTED] and many others. *Id.*

On-Platform Activity and "Native Data": Named Plaintiff #18's DYI file includes 8,252 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." His profile includes:

Profile information (email address, phone number, address). Named Plaintiff #18's profile includes a 10-page list of relevant profile information, including his email address, phone number, current city, home town, birthday, relationship status, and other similar biographical information. FB-CA-MDL-00480875-0884.

Posts and Comments. Named Plaintiff #18's DYI file includes 1,047 pages of posts and comments. FB-CA-MDL-00480073-0874; FB-CA-MDL-00473526-3548; FB-CA-MDL-00473086-3307. For example, these include posts and comments about [REDACTED] see, e.g., FB-CA-MDL-00480073 at 0216 ([REDACTED])

[REDACTED], FB-CA-MDL-00473526 at 3527 ([REDACTED])

Likes. Named Plaintiff #18's DYI file contains 1,945 pages of his likes and other reactions to posts, including that he liked or reacted to thousands of posts, photos, and videos, including posts and photos by several of his friends and posts in groups or by pages [REDACTED]

[REDACTED] and US Army Military Police WTF Moments.
FB-CA-MDL-00473616-5560.

Shares (life events, social connections, info shared by other users). A significant portion of the posts cited above were shares. FB-CA-MDL-00480073-0874. For instance, Named Plaintiff #18 shared several memories, *see, e.g.*, FB-CA-MDL-00480073 at 0087, *id.* at 0104, *id.* at 0220.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #18's DYI file includes 157 pages of account activity including detailed information about his logins, showing a list of IP addresses and browsers she has used to log into Facebook. FB-CA-MDL-00480943-1099. It similarly provides a list of devices on which he is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-00481164-1165; and a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-00481127-1139. Named Plaintiff #18's off-platform location history is reflected above. FB-CA-MDL-00475574-5715.

Named Plaintiff #19

Off-Platform Data: Off-Facebook Activity. Named Plaintiff #19's DYI file includes 48 pages detailing his activities off of the Facebook platform, FB-CA-MDL-00390646-0694, and a 2-page list of the names of businesses he visited off Facebook, FB-CA-MDL-00390695-0696. For instance, Named Plaintiff #19's file shows that, among dozens of other activities, he [REDACTED], FB-CA-MDL-00390649; [REDACTED], FB-CA-MDL-00390665; [REDACTED] FB-CA-MDL-00390646-0647 .

Facebook Login for Third Party Sites. Named Plaintiff #19's DYI file also shows 18 apps and websites that he logged into using Facebook login. FB-CA-MDL-00390695-0696. These include [REDACTED]

Id.

Inferred Data: Ads Interests. Named Plaintiff #19's DYI file contains a 59-page list of approximately 1,527 interests Facebook has inferred for him for the purposes of placing advertisements. FB-CA-MDL-00390510-0568. These include [REDACTED]

[REDACTED] and many others. *Id.*

On-Platform Activity and "Native Data": Named Plaintiff #19's DYI file includes 8,207 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." His profile includes:

Profile information (email address, phone number, address). Named Plaintiff #19's profile includes a 7-page list of relevant profile information, including his email addresses, workplaces, current city, family, birthday, and other similar biographical information. FB-CA-MDL-00398352-8358.

Posts and Comments. Named Plaintiff #19's DYI file includes 1,782 pages of posts and comments. FB-CA-MDL-00396809-7916; FB-CA-MDL-00397917-8351; FB-CA-MDL-00391023-1132; FB-CA-MDL-00390701-0829. These include posts and comments about food, see, e.g., FB-CA-MDL-00391023 at 1026 ([REDACTED]

) and

[REDACTED], see, e.g., FB-CA-MDL-00391023 at 1049 ([REDACTED]

██████████”), *id.* at 1112 (“██████████”).

Likes. Named Plaintiff #19’s DYI file contains 1,954 pages of his likes and other reactions to posts, including that he liked or reacted to thousands of posts, including posts and photos by several of his friends and posts, photos, and videos by organizational pages. FB-CA-MDL-00391187-3141.

Shares (life events, social connections, info shared by other users). A significant portion of the posts cited above were Named Plaintiff #19’s shares. FB-CA-MDL-00396809-7916; FB-CA-MDL-00397917-8351. For instance, he shared ██████████, *see, e.g.*, FB-CA-MDL-00396809 at 6810; news articles, *see, e.g., id.* at 6812, *id.* at 6818; and songs, *see, e.g., id.* at 7006.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #19’s DYI page includes 149 pages of account activity including detailed information about his logins, showing a list of IP addresses and browsers he has used to log into Facebook. FB-CA-MDL-00398491-8639. It similarly provides a list of devices on which he is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-00398765-8766; and a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-00398745-8753.

Named Plaintiff #20

Off-Platform Data: Off-Facebook Activity. Named Plaintiff #20's DYI file includes over 370 pages detailing her activities off of the Facebook platform, FB-CA-MDL-00405489-5860, and a 13-page list of the names of businesses she visited off Facebook, FB-CA-MDL-00405476-5488. For instance, Named Plaintiff #20's file shows that, among hundreds of other activities, [REDACTED] FB-CA-MDL-00405558; [REDACTED] FB-CA-MDL-00405513-5514; [REDACTED] FB-CA-MDL-00405641-5643.

Facebook Login for Third Party Sites. Named Plaintiff #20's DYI file also shows about 55 apps and websites that she logged into using Facebook login. These included [REDACTED] and several others. FB-CA-MDL-00405861-5864.

Inferred Data: Ads Interests. Named Plaintiff #20's DYI file contains a 22-page list of approximately 560 interests Facebook has inferred about her for the purpose of targeting advertisements. FB-CA-MDL-00405315-5336. These include [REDACTED] and many others. *Id.*

On-Platform Activity and "Native Data": Named Plaintiff #20's DYI file includes 26,154 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." Her profile includes:

Profile information (email address, phone number, address). Named Plaintiff #20's profile includes a 3-page list of relevant profile information, including her email address, phone number, current city, home town, birthday, and other similar biographical information. FB-CA-MDL-00417064-7066.

Posts and Comments. Named Plaintiff #20's DYI file includes 3,446 pages of posts and comments. FB-CA-MDL-00405883-6636; FB-CA-MDL-00406655-6936; FB-CA-MDL-00414654-5908; FB-CA-MDL-00415909-7044; FB-CA-MDL-00417045-7063.

Likes. Named Plaintiff #20's DYI file contains 4,526 pages of her likes and other reactions to posts, including that she liked or reacted to thousands of posts, including posts and photos by several of her friends and posts, photos, and videos by political pages. FB-CA-MDL-00406954-11479.

Shares (life events, social connections, info shared by other users). A significant portion of the posts cited above were shares. FB-CA-MDL-00414654-5908; FB-CA-MDL-00415909-7044; FB-CA-MDL-00417045-7063. For instance, Named Plaintiff #20 shared memories, *see, e.g.,*

FB-CA-MDL-00414654 at 4673, *id.* at 4678, *id.* at 4719 and episodes of a TV show, *see, e.g., id.* at 4675, *id.* at 4743.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #20's DYI file includes 153 pages of account activity including detailed information about her logins, showing a list of IP addresses and browsers she has used to log into Facebook. FB-CA-MDL-00417194-7346. It similarly provides a list of devices on which she is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-00079556; and a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-00079538-9543.

<p>Named Plaintiff #21</p>

Off-Platform Data: *Off-Facebook Activity.* Named Plaintiff #21's DYI file includes over 450 pages detailing his activities off of the Facebook platform, FB-CA-MDL-00379289-9742, and a 14-page list of the names of businesses he visited off Facebook, FB-CA-MDL-00379275-9288. For instance, Named Plaintiff #21's file shows that, among hundreds of other activities, [REDACTED], FB-CA-MDL-00379358-9364; [REDACTED], FB-CA-MDL-00379399; [REDACTED], FB-CA-MDL-00379654-9656.

Facebook Login for Third Party Sites. Named Plaintiff #21's DYI file also shows dozens of apps and websites that he logged into using Facebook login. These included [REDACTED] and many others. FB-CA-MDL-00379743-9748.

Location History. Named Plaintiff #21's DYI file includes a 28-page list of locations from which he has accessed Facebook, including both the name of the location and its coordinates. FB-CA-MDL-00381770-1797. Such locations include [REDACTED] *Id.*

Inferred Data: *Ads Interests.* Named Plaintiff #21's DYI file contains a 62-page list of approximately 1,595 interests Facebook has inferred about him for the purposes of placing advertisements. FB-CA-MDL-00379128-9189. These include [REDACTED] and many others. *Id.*

On-Platform Activity and "Native Data": Named Plaintiff #21's DYI file includes 7,075 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." His profile includes:

Profile information (email address, phone number, address). Named Plaintiff #21's profile includes an 11-page list of relevant profile information, including his email address, phone number, current city, home town, birthday, and other similar biographical information. FB-CA-MDL-00386356-6366.

Posts and Comments. Named Plaintiff #21's DYI file includes 1,137 pages of posts and comments. FB-CA-MDL-00379767-0128; FB-CA-MDL-00385581-6355.

Likes. Named Plaintiff #21's DYI file contains 1,425 pages of his likes and other reactions to posts, including that he liked or reacted to thousands of posts, photos, and videos, including posts and photos by several of his friends and organizations. FB-CA-MDL-00380332-1756.

Shares (life events, social connections, info shared by other users). A significant portion of the posts cited above were shares. FB-CA-MDL-00385581-6355. For instance, Named Plaintiff #21 shared memories, *see, e.g.*, FB-CA-MDL-00385581 at 5618-5619, *id.* at 5676, *id.* at 5727; and shared episodes of several different shows, [REDACTED], *id.* at 5605, [REDACTED], *id.* at 5625, and [REDACTED], *id.* at 5702.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #21's DYI file includes 158 pages of account activity including detailed information about his logins, showing a list of IP addresses and browsers she has used to log into Facebook. FB-CA-MDL-00386456-6613. It similarly provides a list of devices on which he is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-00386664-6666; and a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-00386645-6655. Named Plaintiff #21's off-platform location history is reflected above. FB-CA-MDL-00381770-1797.

Named Plaintiff #22

Off-Platform Data: *Off-Facebook Activity.* Notably and unusually, Named Plaintiff #22's DYI file does not include any off-Facebook activity. [REDACTED]

Facebook Login for Third Party Sites. Named Plaintiff #22's DYI file shows a list of 45 apps and websites that he logged into using Facebook login. FB-CA-MDL-00401286-1289. This includes [REDACTED]

[REDACTED] and several others.

Inferred Data: *Ads Interests.* Named Plaintiff #22's DYI file contains a brief list of 8 interests Facebook has inferred about him for the purpose of placing advertisements, including [REDACTED]

[REDACTED] FB-CA-MDL-00401161.

On-Platform Activity and "Native Data": Named Plaintiff #22's DYI file includes 4,658 pages of on-Platform activity, including the categories of data Plaintiffs describe as "Native Data." His profile includes:

Profile information (email address, phone number, address). Named Plaintiff #22's profile includes a 3-page list of relevant profile information, including his email addresses, phone number, current city, home town, birthday, and other similar biographical information. FB-CA-MDL-00404937-4939.

Posts and Comments. Named Plaintiff #22's DYI file includes 966 pages of posts and comments. FB-CA-MDL-00034951-5227; FB-CA-MDL-00404337-4936; FB-CA-MDL-00032359-2393; FB-CA-MDL-00401443-1479; FB-CA-MDL-00401293-1309. These include posts and comments about sports, *see, e.g.*, FB-CA-MDL-00032359 at 2376 [REDACTED]

[REDACTED] and [REDACTED]
[REDACTED] *see, e.g.*, FB-CA-MDL-00034951 at 5137.

Likes. Named Plaintiff #22's DYI file contains 59 pages of his likes and other reactions to posts, including that he liked or reacted to posts and photos by several of his friends and in groups such as [REDACTED] FB-CA-MDL-00401486-1544.

Shares (life events, social connections, info shared by other users). A significant portion of the posts cited above were shares. FB-CA-MDL-00034951-5227; FB-CA-MDL-00404337-4936. For instance, Named Plaintiff #22 shared songs he was listening to, *see, e.g.*, FB-CA-MDL-00034951 at 4952, *id.* at 4953, *id.* at 4958; YouTube videos, *see, e.g., id.* at 5115, *id.* at 5126; and news articles, *see, e.g., id.* at 5121, *id.* at 5154.

Location (check ins) and carrier, device type, and device identifiers (UDID/Android ID, IDFA/Google Ad ID). Named Plaintiff #22's DYI file includes 153 pages of account activity including detailed information about his logins, showing a list of IP addresses and browsers he

has used to log into Facebook. FB-CA-MDL-00405026-5178. It similarly provides a list of devices on which he is currently logged into Facebook, also including IP address, location, and browser information, FB-CA-MDL-00405229; and a list of login protection data that also includes IP address information and estimated locations, FB-CA-MDL-00405202-5215.

Named Plaintiff #23

Off-Platform Data: N/A

Inferred Data: *Ads Interests.* Named Plaintiff #23's DYI file contains a 4-page list of approximately 290 interests Facebook inferred about her for the purpose of placing advertisements. PLAINTIFFS00006232-6235 (listing "Ads Topics" within a longer document containing other lists). These include general interests like [REDACTED]; more specific interests like [REDACTED] and many others. *Id.*

EXHIBIT D

